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1047

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 <212> DNA
 <213> Homo sapien

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<213> Homo sapien

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<214> Homo sapien

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<214> Homo sapien

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<210> 13
<211> 1290
<212> DNA
<213> Homo sapien

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<400> 13
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agaatcacga tagctcccta accatgctct cctactctag ggacaatgct gaggggctct 360
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tcaatcgatc tggaaaggtc ccaggtctca tgcacgagga ggacctggta agactagaaa 780
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<210> 14
 <211> 2005
 <212> DNA
 <213> Homo sapien

<400> 14
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<210> 15
 <211> 557
 <212> DNA
 <213> Homo sapien

<400> 15
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ctctcttg

<210> 16
<211> 618
<212> DNA
<213> Homo sapien

<400> 16
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gaaaggatca aatcagagaa accagggaaac agtaaaactac tagaaatctt ggtaattttg 180
accagaaggg tagaagtga aatgatgaaa tctgggaaagt tctgggaagcc ttttgaaagt 240
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tattaaataa aagttttagg tcatagggaa tcaagatact tttttggaca ttttaatttt 420
gagatgttga gtgaaaatca aagtagaata ttgaatatgc agtttgatat acactttcaa 480
aatttgagaa ataaatttgg gagtaaacat ggatctttta agcatgtgac aaaatgatac 540
tactcttgaa gtacaaaaat agattctagt tacataagtc tttagaatto aggagotaga 600
aaaaaaaaa aaggg 618

<210> 17
<211> 1108
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (300)...(300)
<223> n= a, c, g or t

<400> 17
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atatgaatga gagaaagcat aaagratgta cacattaaaa aaatttatatt tcaaaaaagtc 180
atgaattcta cagagaaaaa cgaaaacaaag taagtggtag agggcagggt gatgagtgtg 240
gggtgcagca ggggggtgtt tttttcttag cttctgtgta taataatata tatataaacn 300
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aggatgaaatg aatgtaaaatg taaaaagtgt agtataatgt atggtttaaa gtagaggaaa 421
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tatatacttt caaaatttga gaaataaatt tgggagtaaa catggatctt taaagcatgt 1020
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<210> 18
<211> 552
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> 14547..14801
<223> n= a, c, g or t

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tcagacagtc cgactagaca ggaatttgat ttgtcagctt tacacttaaa aaactaatag 180
tggagaaaaa gtattggatt gtctatgttc aatttcacag caatttctctg gctattagtg 240
aaggaaacaa aaggtatgtg tacttttggg gttagatata ttttaagctgg tacttcaagr 300
ttatgagcat aatttcttca ttgtttctct caagcatata catatttgta tgcctctgta 360
gatacatatg taggtatata catctacagt acataaatct gtaggcatat acattacata 420
tgcatacata aatcatgaa tacatatata tccccccccn nccccccccn nccccccccn 480
cttttcacaa ttgattaatg gccaagatgc cactgcaatg cagttaggaa tatgatgggt 540
ctgcatacat tg 552

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<210> 19
 <211> 607
 <212> DNA
 <213> Homo sapien

<400> 19
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 acactgtata guagtatctt ccaaaattaa acattacagg gatccaatga tataggacatt 180
 caaccccaga tgcatacaga agtacatatg ttaactgaaa gtaaggtgca agaaagtaca 240
 taagaggtcaa aactagaagc aacacatatg ttaataaaba gtatagatga taaaatatat 300
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<210> 20
 <211> 602
 <212> DNA
 <213> Homo sapien

<400> 20
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 tgggttgaac ccaaaagttag ttccaaatgt attantatat cctaaggaaa tatacaatgt 180
 aagtggtaac caacaaatgg gtcttcatat tgggttgttt ttggaattct tagaggtaaa 240
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 aattgaattc aggaatttta gttctctctt cttctctctt ctctctctct cttctctctg 480
 acaactcttc attgagggag ataaaatatt caggaaaaaa tactotaagg agtcaaaagaa 540
 atttgattaa atgagttaaa ttaattcttg tggtagaact gaattttgtt gataaaaaatc 600
 tg 602

<210> 21
 <211> 634
 <212> DNA
 <213> Homo sapien

<400> 21
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 tgggttcaat gaaaggtggg ttctaatat tgggtgtgtt ttggaatttt tagagggaaa 282
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 acaattttcc attgagggag ataaaaatat gaggaaaaaa taacttaagg agtcaaaaaga 340
 aatttgttta aatgagtaaa cactaaattt ttgtgttgag aatgaatttt gcatgatata 600
 aatctgtttt tgggtttgga ggaaggggtg gtggcaatgg tctcatggga caattgtgta 660
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<210> 22
 <211> 568
 <212> DNA
 <213> Homo sapien

<400> 22
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 ttaatatatg ccttaaaaggg caaatgtagt ataaaccaga tcatggtaact ttggcacaag 180
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 aatgggtctt tttagaaggg cctgaatttg tggaaacaaag aattaggcta tgncttgatg 420
 gtgatctttt ctatagaat tctttatat tgggtgtgag tgagctttag aagtgaagac 480
 atggagagta tttagattg tctttaggtt cagtgtatcc atagcaatag tgaattgtta 540
 ctctaattcc gaattagcag gattagaa 608

<210> 23
 <211> 969
 <212> DNA

<210> Homo sapien

<211>

<212> middle section

<213> 610-11, 712

<223> 10-14, 17, 19, 21

<400> 23

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tlaatatatg tcttaaaaggg taatagtagg ataaactaga ttatggtaac ttggcacaag      180
cttttcaactc aggagctgaa tgetaactaa gtcacaaact taatttttgc ttttcataat      240
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<210> 24

<211> 870

<212> DNA

<213> Homo sapien

<400> 24

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atgagctaaa gctaatatgc ttaaaaactt agaactcaat cttagcaata ataatttggt      180
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gaaacagta tatcaaaaaa aaaaaaaagg 870

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<210> 25
<211> 3795
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> 3362..3362
<223> n= a, c, g or t

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<400> 25
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aggactttag caacatttta cttctttaat accatactat tattgctaag atttagttct 720
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[illegible]

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 tgacacacaa gatctataa aataaaaagt tatagttaaa cagggtcaca ctgtaatata 2666
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<210> 26

<211> 616

<212> DNA

<213> Homo sapien

<400> 26

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 aataatagat ggtatgtaac tctcttttct ccaggagaa ataaagggaa aggagagggc 181
 ctgggtgggt ggtataggag gcagacaggt gagtgtgagg ggacaatcag gaggagggct 241

caacttggaaa taagatattgt tagtcaattt aggttctaaa taattgattt tgaatttttt 300
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 aatattgtttt caaatattt aaatttcaatg taactttttt agaaagatctt ccccaaaaaa 420
 ccttaagctctt ccttcctactt caaatgata ccccaacttt ggaatttttt atctttctttt 480
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<210> 27
 <211> 461
 <212> DNA
 <213> Homo sapien

<400> 27
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 cccgactgaa actcccttaa gtccatataa gtccactgttg atggagaggtt actgtttaccg 180
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<210> 28
 <211> 573
 <212> DNA
 <213> Homo sapien

<400> 28
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 aaggabaagg acagtcaag tatccagggtt gcttctgctt aggcattctt gctcccaacc 180
 cccaattctat gaggttghat ttccaggctt ttgggcttca ggaggtgtct tgggtctctg 240
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<211> 29
<211> 643
<212> DNA
<213> Homo sapien

<400> 29
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gccatcctag gaaatgtgtg ttgggcacat gccacccata ccactgttaa ctggtgaggt 600
ggacacctta gcctggcagt ccttagctgt gtggccctggg caa 643

<210> 30
<211> 761
<212> DNA
<213> Homo sapien

<400> 30
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 tctatgggaaat ggttaaggtta gaaatctctt aggttaggtt agaaagcttt ggggttagat 100
 tatgtctggga gggagacggtt gggaggaatt tgggtagag a 120

<211> 31
 <211> 1898
 <212> DNA
 <213> Homo sapien

<400> 31
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 gtaatgggttc agtaacaagg gactctagga tgatcaaaag agatttgagt gaagggaaaac 180
 caatccattc agtgggaatcc tccatctgac ccccatcaca cagatggacg aaagtgagtc 240
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 aaaaaccaagt ctcccaactc ctaaccatgg gatggatggg agaggcacc cagatctgat 360
 gttctgtctg gggctgacct ccaacccact gacttagagg ctgtgggagg ctctggggaa 420
 gggtagctggg gaagctctgc aggtccaggt tgcagctctc cagccagaga tttctctctg 480
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 cagacaatga atggaggcca agaatgtctt gtgtggggga tactgtgctg ggggcaggtt 1260
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<210> 32
 <211> 627
 <212> DNA
 <213> Homo sapien

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<400> 32
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tgtactgat attaacttgt attttagtca aggtctgtg tgagaaacaa gaactaaggt 180
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tgatgacaaa tcaagcatca tcaagggtt acctctctt cgttaatgtg tggagctaa 360
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tttgagaaat ttgtccaat taccctgaga tccaaatctt gattcagctg tgatgttga 540
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taagatatgt ggttttgag gattatg 627

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<210> 33
 <211> 1212
 <212> DNA
 <213> Homo sapien

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<400> 33
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ggacrrrraa agtappagat gattcagat acttcaatga agtcaaggtt acattatct 180
attcagagaa agtatatca tgggtatca attacatct aggtgatttt cttaacacgt 240
gtacttcaaa gtgtgttga tggaaagaa cagagacatg gattgtttgt tactgggtgt 300
ctacaagata agtcaaaaaa tgaagagtaa gcatctagaa acatagcata aatgacactg 360

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ccatcacaac aggggtctca tttctctgga tagagtagag acaaggctag gagggtctca 401
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 tagagtagtg tagagtagtg ggtatataaa caatagtagg ttttaggtag atggtttatg 441
 tttaaaatg aggaatggat aggtaggatg gtatggatgt aatattgtga gggctaatat 461
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 aggagataag gttatacttc gttgtctaaa tgagaacaat tcccatctga ctgatattaa 501
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 tctttacttt aattgggtat aggtgaagtc caattgggat agtgaaggag aaatcgggat 541
 tctctctctt ggtgagtgtg agaccagtg accaccacac catcttgatg acaaatcag 561
 catcatcaga ggctaccttc cttctcgtta atgtcttgga gctaaactggt ctcatctgtt 581
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 cacaccaga tatttttctt ttgacagcca acacaaacct cattgcttga gaaatctgtt 621
 ccaattaccc tgagattcaa atcttgattc aggtgtgtat ctggacagct aacccaaatt 641
 tggtgagccc caatatctta atttagaaaa tgaataacta atatttaaga tatgtgggtt 661
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<210> 34
 <211> 447
 <212> DNA
 <213> Homo sapien

<400> 34
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 cagttctaca ttttgaaatc tattctaaag aaagaagata agtgtgtaga tatccagagc 181
 tgtgtggagg tgggggtgtg attatttata aaaggagtac ttgttaaaac tgggtggcatt 241
 tttgcaactgt ggtatctctc atgtgttaga aggtagaagt gtgcagtgta agagggaaag 301
 ggggggtctg gaggagtcac ggggcaactc ttgtttttaa gtacatgggt ctctaaaggta 361
 accatcagag gtgaggagat ggggtacact tttcttttat aatagggtgt attgttagaa 421
 ttttttgggt aagggtctat taatttt 447

<210> 35
 <211> 1378
 <212> DNA
 <213> Homo sapien

[illegible]

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data

424

<211> 37
 <211> 561
 <212> DNA
 <213> Homo sapien

<401> 37
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<212> 38
 <211> 272
 <212> DNA
 <213> Homo sapien

<401> 38
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 tatgatttaa atttaacttg agagaagtct agtatatttc agttatcagc agtctagcat 180
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<212> 39
 <211> 207

<210> DNA
 <211> Homo sapien

<411> 17
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 gggagggggg ttgagaggtt ggggaggtta gatggaac ttgagggtggtt ggggagggaa 120
 ttggatcttg gattgagggg ttgtgggaa gtgaggtgg agtagtttgg gaaaggaggt 180
 gatgaactga gttgtttttt gttgaga 207

<210> 40
 <211> 134
 <212> DNA
 <213> Homo sapien

<400> 40
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 tcaattagag tctttatata caatctgtac tgttgggaatt ttcaaataaa tcttgtaaa 120
 aaaatttaaa aaac 134

<210> 41
 <211> 546
 <212> DNA
 <213> Homo sapien

<400> 41
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 atcagcgaga tatcaactatt gottccacca aagggttcttc ctccagacatg gaaaagcgac 180
 tcagsgtaga gatgcaaaaag gtagaagaca aagcagtaga gcataaggag attctggatc 240
 agctggagtr attcaaatia gaaaatcttc acctttctga aatgggtgatg aaattgggaat 300
 tgggtttaca tgagagatgg ggttttacca tgttgtccag tctgggttttg aaattcggga 360
 ttcaagcaat ccgcacagctt cagcgtctca aagtgctgga attacaagtg tgagctacca 420
 ccaatggcag tttaagaattt taacaatttg caatgaaac aagaatctca attagagttc 480
 ttatatacaa tctgtactgt tggaaatttt aaatcaatat tgtaaaagaaa attaaaaaaa 540
 aaaaaa 546

<210> 42
 <211> 1134
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature
 <222> 1877..1877
 <223> n= a, c, g or t

<221>
 <221> misc_feature
 <222> 1877..1877
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 1877..1877
 <223> n= a, c, g or t

<400> 42
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 aggttagtgaa gccccaaactc aaataaatttc agattagtgc cccctagccca gatgtctgac 180
 tgaagccaga ataaaaaatcc tctttggagg aagatgcttt tcccagaaac ccaggctatc 240
 actgttagttt ttcctgtact atactgttca gtcagttaga ataatataga catcacatga 300
 gaagaccaga tatgattaaa aaaaaacaata aaaaatgaac aaattggata taccataaag 360
 agatccagat aatagataat caaatatggc cccctacata actgtgatta atatgcttca 420
 aggattaaaa gataagattg aaaactctgc cagagaaatg aaaattgtta ataagaccaa 480
 atggaccttc tggaaactga aaatacaatt actgcagtta aaatctaaat gagtgaannn 540
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnatggc tgcataaatg 600
 aattaatgac taaaaccatt gaatgtgtac ttacaatggg tgaattttat gctgtgtaaa 660
 ttgtacttta aaaattaaag tttaaaaaaa ccaaatgaat tggttcaata gactagatgc 720
 aattgaggag agagttagtg aaccagaaga taaagcagaa gaaaatatca acaataaagc 780
 atttggagge ttttagatgg aaaataaata ttagattgig aaagacatat taaatatggt 840
 ggaagggtct aatttatgig taaatggagg tttagcngga gaggagagag aaagtgggac 900
 ataaaaaata attggaaaaa aatagctgag atagtcttaa aatcaaaaa tcaataaaag 960
 caacagaatr cagaagccct agggcaacaa gtaggataag tacaagatt caacatagta 1020
 aaattctaga taacaaaggt aaagagaaca acatagggat aacatggtaa catctataaa 1080
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<210> 43
 <211> 161

<211> DNA
 <212> Homo sapiens

<411> 43
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 tcaatgattat tttattatata aagtcggtata ttaattacaaa agtcgtcaaat gtttattatg 120
 attagcaaaa aattctcaatt attatagaaga gtaattatcg a 180

<210> 44
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 220...221
 <223> n= a, c, g or t

<400> 44
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 agctgggaact acaggcagac gccaccagga caggccaatt ttgtatcttt ttgtagagac 120
 gaggttttgcg catattgcgc aggcctggctt cgaactctctg agctcaagtg atccaaaccac 180
 ctcatctctc caaagtgctg ggatttatagg cgtgacactc agtgcctgggt ctccagtaagt 240
 actctctcgt ataattagaa ttgtttctta atcttcaata acatttacta cttttgtaat 300
 aatgtaccac ttttataata aagaattcat taatagaaat aagracattt taactgtctgc 360
 ttccagcagca catatactag aaataagcac attctcataat atagaagata tat 413

<210> 45
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 45
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 tgaccttgga agagatcactg tgagggaatta acaagaggtc aaatagaaat aaatcaaaag 120
 gctgacaggt agcactgagg tgagtaagra caaattcaaa cagtttcatt gctttctcca 180
 gcaaaagctca ccagcaaaaag ccagagactc tgggagtacc caggttttaga gaacatggct 240
 atggaatcag tccacaatgt ctttaaatcc agttaacagg tttctctcta aaatatcttt 300
 aaatatctct tctctcattg cactagttat cagaattaaa atgttggtac tgaatgcaaa 360
 gcaaaagagaa taaaatcagg agaaattaac tcttcatttc cagatadaga aggaactgat 420
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[illegible][illegible]

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<210> 47
<211> 411
<212> DNA
<213> Homo sapien
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[illegible]

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C2222>
C2224> miss_feature
C2225> 1333...1333
C2226> n= a, c, d or t

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[illegible][illegible]

tttatatctca aatttttttaa ttatatctgat gtttttttga atataatagggt g

411

<211> 48
 <212> 1022
 <213> DNA
 <214> Homo sapien

 <221>
 <221> misc_feature
 <222> 1254 .. 276
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 1333 .. 1333
 <223> n= a, c, g or t

<400> 48
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 agattaagag tcacaagtac aagaagccac agagaaacag gcatagtcta gaagggcagt 180
 gtatcccatg cccatagctg tgccttgccc atggcccatc aaacagcggc catgagacct 240
 tttctgtgtg taannnnnnn nnnnnnnnnn nnnnnngtct tcaccagcgg ggaagctgca 300
 gtctaacttc gctgttctt actgtgttga aagttttaac atatgggatt taattgttgt 360
 ttatatctca aattttttta ttatacagat ggtctctgac atacaatggr gttatgtccc 420
 aataaactca ttgtaggttg tagatatgtt aagttgaaaa tgcattcaat acacctacct 480
 tactgaacat catagcttag cttagtctac cttaaatgtg cttagaacat ttacattagc 540
 ctacagcttg gaaaaagcat ataacacaaa gcttatttta taataaaagt ttgaatagct 600
 catgtaattt attgaatatg gttctaaaaa tgaacagcag gatgggttgc tgggtattca 660
 aagtatgggt totactgaat gcaagtgggt ttctcaccac cataaaaatc aaaaaaaaaa 720
 aaaaaaatct ctttgtagct atcaggagac ttcagtgact taatatgcaag attgaattcc 780
 agtgcctctt gggctctctc tatccctgtg tcccttatgt ataactataa taagtgcacg 840
 caggaaaaat ctatgagagt ataaaaagc gattaaaaat aatttggggg taaaaagggt 900
 gggtcataaa tacttccagc ggaagatgac atttatacta ggccatgaat gatgtlaagc 960
 ttaaanagc atttatgggg gtggggcagg tacttccagc ttagggaaca ataggagcga 1020
 aa 1022

<210> 49

<211> 631
 <212> DNA
 <213> Homo sapien

<210> 49
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 ttagcttgatt aggaacttta atttctaat aaagggttac ggaagtgctg ggaaatagaa 120
 attctctctat ttctctctgt tgccttgggg aggcactgct aggttgtgctt gatgcctctt 180
 gcaataactg aatataaccag tgcctggctt gggaattagg ggcaataggt agagacatga 240
 ggggggtgct tctgagaagg gagaagcaa aaacccggag ggagaa'tgt ggggaagaaa 300
 tttacaaatt gactgatttt tcttatacat tttcaagagt cctgattttt agttttttaa 360
 aacattactt aaaaaaaaaa aatgcatttt aaagttgatt acaaaatgat tttaaactcc 420
 tggattttta ccaaatcttg tttactttaa ctatagatga tottaatatg ctattatttt 480
 aaaaaaacat atcctactct attgtaattg attatcagtt aaaaaatta ggaaactgct 540
 taatttcactt tttcaattta aagcacatat caaagatcat ggcaaaaaag gagggggctca 600
 ataaatgita gccttcagt tgcctcaaaa g 631

<210> 50
 <211> 797
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (569)..(569)
 <223> n= a, c, g or t

<400> 50
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 gcaatttagtg gagtaacctt gcttgctctg gaaatgttag aggaagagag ttgatgttcc 180
 actaataactt cgtctgttaa caaataigca tctatgcctc tttttagaat ttaaagacaa 240
 aaagaagagt cgggagagaa ttgttggaag ttgtttatta ggggtgataa cctgaaataa 300
 ctcttgattg gcaggcgagt cttggcttca aaattttttt gtgaaagaaa gatagccttt 360
 cttgatagaa tctaataaaa aaaaatgata aaaaatgaaa gataattgca tttcaagag 420
 gcttttgaa aaaaaatttt taattagtgg ttgttatgtt actgagagaa ctgttatgct 480
 aatgactgac taactagatg attttgcatt aatataataa caattacctg cctcagtgct 540
 ttgtacagta ttgtggcaaa atagctaaac ttaaaggagt tatacaaaaa gcagaattcc 600

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ataatgaaat agaatctttt ttttcaata atagagatgt tttttttttt tttttttttt 661
agatggaaat atttatctaa aagtgtgttt ttttttttgt atgatatgta ttgggaagggt 720
aatgggttgg ttatcttgtt ttgttttttt taataaccagg agaaagaagg tttaactttt 780
ttgtttggaa taatagt 797

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<210> 51
<211> 527
<212> DNA
<213> Homo sapien

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<400> 51
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ttctcaggca aatcagattt tttttttctt tttaaagagg ccttacaaaa gattgatggt 120
ctgaacatctt atttccttca caatttttca ataatcatgt accccttagt tcatggaagg 180
ccttcaagta tttctagggg ccaagtacac ctgttcagag cgcagaagct acacagtcag 240
actaatgaat catctcagaa catttttctt agactttggg tatacctcta cagaaatcac 300
tggatgttat taagcctttt tagtttttaa atatttcaaa tgattttatt atatgtgtag 360
aatttggttc cttaagattt tttctatat ggctttaa atgacttcata acagccttca 420
caatgaaaca agtgagggtat tgttatccat atttctaaat gactgagatt atgtgatttg 480
cttaagggtca cacagtatta gagtcaggac ttgttgcctt tttttctt 527

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<210> 52
<211> 579
<212> DNA
<213> Homo sapien

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<400> 52
ggatggagga agggcagttg cgaaagtggg gaaaaaggag atccagcaga gcattggcaca 60
ttctcaggca aatcagattt tttttttctt tttaaagagg acatacaaaa gattgatggt 120
ctgaacatctt atttccttca caatttttca ataatcatgt accccttagt tcatggaagg 180
ccttcaagta tttctagggg ccaagtacac ctgttcagag cgcagaagct acacagtcag 240
actaatgaat catctcagaa catttttctt agactttggg tatacctcta cagaaatcac 300
tggatgttat taagcctttt tagtttttaa atatttcaaa tgattttatt atatgtgtag 360
aatttggttc cttaagattt tttctatat ttgtttaa atgacttcata acagccttca 420
caatgaaaca agtgagggtat tgttatccat atttctaaat gactgagatt atgtgatttg 480
cttaagggtca cacagtatta gagtcaggac ttgttgcctt tttttttttt tgtaaattcc 540

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ttgtttttttt aggaactttt agtgcattt tttttttttt

100

<210> 13
 <211> 1133
 <212> DNA
 <213> Homo sapien
 <220>
 <221> misc_feature
 <222> 108..1144
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 1193..1193
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 1943..1943
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 1946..1946
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 1991..1991
 <223> n= a, c, g or t

<400> 53
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 nnnnnnnnnn nnnnnnnnnn nnnnggataa agaattgtata gctctataaa tgactgttaa 180
 aaggatatta tcnattgttt agattttgtt tttttgttt ttaaggaaaa gttgacaagg 240
 ggtaaaaggg ttatcaaaaa agaaactttgt tttcatatat agcattatat tttttaattg 300
 acaaccagac aattagcttc tttttatag catgatattc cagtgtactt aaacccaggc 360
 cacagcaact acagtacagg aaaggggat gtaactaatt gagtcaactg atttatgtaa 420
 agctctttag aacacaaaac tgtatgttt agcaagtagt acaaaaattgg gcaggctgagt 480
 catattacaa aaatgggtaa agaagcaata ttaattggcc ctagagaaca tgtaggcctt 540
 tgttttagtg ttgtgactgg aatactttac acttttatag ttggggaaaa agcagcaata 600

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ctttgttaggg atgattctag tggaaataag gaattggcagc ttgataagct aagataaatc 481
agagatctta cagtgagat gatgacacag aatctttctt tcttatagat aactgacttt 761
tggctttattt taagtgattt gtcagacttt taagtacttc atctgggttt tttttttttt 841
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agagataaat atatatgtag aattgggaat gccaagttta ganttnaaat gtaattttag 961
taaggaaggg aatgtctcat taacatttat nccagttgat aattataaag aatattaaga 1021
acagtatagg gaa 1033

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<210> 54
<211> 403
<212> DNA
<213> Homo sapien

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<400> 54
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ggaacgcact agttgggagg ggaatctgtt gtcttagaga gtttatgaga actgccccaa 180
agtgtatcca aagacatgag cactctggag ccttgggaatc tgggcccacat aaacttgggt 240
ggatccaggg tttgccccaa agagctgggt gatgtctatt cctgtatccac tctctatccc 300
agcgcctccg agagctgtct ccccaaaaca aaggcaaggg aagggttaca agttccctat 360
aactggcctt gaatgcaagt tccctctgtg gtccagctcg agc 403

```

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<210> 55
<211> 360
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (58)..(289)
<223> n= a, c, g or t

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<400> 55
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nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna agttttaaaa 300

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agaaacagaa aaatctatg aaaggtttt agaatcagg atataaagaa aataattttt 60

<211> 57
 <211> 247
 <212> DNA
 <213> Homo sapien

<400> 56
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 tctgagaagg ccagagagac tctcaactct taactaaggg ggaagaagct tctctgttac 120
 tggcctcatt tcatctgctg aacccatggt gtactaacat gtagggtgac catcctccc 180
 catttgcttg gaacagtccc actctatgtc tgcctagtgc tcagtatggc agtattgtta 240
 aaatccc 247

<210> 57
 <211> 250
 <212> DNA
 <213> Homo sapien

<400> 57
 gcttgtctga ttccaaagcc catgcttctt ccaaacctac catgttggct gaagagaagg 60
 agatctgaga agccagaga gactctcaat tcttaactaa gggggaagaa gcttctctgt 120
 taactggccc atttcatttg ctgaacccat ggtgtctta catgtagggt gcccttcat 180
 ccccatcttg ctggaacagt cccactctat gtctgtcata gtgtcagtat ggcagtattg 240
 ttaaaattcc 250

<210> 58
 <211> 596
 <212> DNA
 <213> Homo sapien

<400> 58
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 tttccaaagg gcttacaagg cccgtagact gggaaactac ggtcacaaag ggtcagcgca 120
 ttccccaagg tcccagagcc aacagcagca tggctggcat ttgaaagtca aagcagagga 180
 agcaggcagg tggctcttgt tgaactggct tccagaggtc gtgttgggca gagagatcct 240
 tcccagagag tggagtggcc tgggtgtcac ctgggttcag agtcaaggtt cacttgggat 300
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 gagcctgatt cagctcttgg gttagagctgg gttagtccag cctcagggcc atcaactcac 420
 tgaagcattg tggtaacatg cctgcccctg gagaacccgg gtgtggggca ggttgacagt 480

337GGGAGAT GGGAGTGGT AAGGTGGG AAGGAGAGAG TGTGGGAGA GAGGAGAGT 594
 TGGGGTGGT TGGGAGGA GGTATAGG TGGTGTCTT GGAGGGGT AGGTGGA 598

<210> 59
 <211> 594
 <212> DNA
 <213> Homo sapien

<400> 59
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 GAATGGATCC AGGACAGTGG GGAGGCTGGG CAGCTCCAGT GCGTGCTTG CCGATTGCA 160
 ATTGTTGGTG TGTTACCTG GGGGGCCCTT TGCTTAGCA CATGTGTGAC CTCTGTGATC 240
 GGTAGAGTCT CTGGGGGAAA CAGTCCAG TCAGGGAGAG TGTGGGGCC TTTCCCAACA 300
 GGGCTCTGTT CTCAGGTCC CATAGCTGGG TGACCAATGT AGATGCAGGT CCGATGCCCT 360
 GCCCAGGAGG CCGGCTCCT GGGAGCCAG AAAATACCAG TGGGAGATGG GAGGTATGGT 420
 GGGGCAGGCT GGTAGGGTG GATATGGGGG AGAGTAGGG AAGAGGCTCT TCTTGGGAAG 480
 CATGGGGCAC CTCAGGGGT CTAGGGGGCT AGGGGACCTG AAGCTAGG CCAAGCCAGA 540
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<210> 60
 <211> 2846
 <212> DNA
 <213> Homo sapien

<400> 60
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 GAATGGATCC AGGACAGTGG GGAGGCTGGG CAGCTCCAGT GCGTGCTTG CCGATTGCA 160
 ATTGTTGGTG TGTTACCTG GGGGGCCCTT TGCTTAGCA CATGTGTGAC CTCTGTGATC 240
 GGTAGAGTCT CTGGGGGAAA CAGTCCAG TCAGGGAGAG TGTGGGGCC TTTCCCAACA 300
 GGGCTCTGTT CTCAGGTCC CATAGCTGGG TGACCAATGT AGATGCAGGT CCGATGCCCT 360
 GCCCAGGAGG CCGGCTCCT GGGAGCCAG AAAATACCAG TGGGAGATGG GAGGTATGGT 420
 GGGGCAGGCT GGTAGGGTG GATATGGGGG AGAGTAGGG AAGAGGCTCT TCTTGGGAAG 480
 CATGGGGCAC CTCAGGGGT CTAGGGGGCT AGGGGACCTG AAGCTAGG CCAAGCCAGA 540
 CCGTGACCT GTACCTCCCA TCCCCACAGG ACATCAAAA TGCTGGGGG TGCTGGGAGC 600

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aggaaatat	gttagagtaa	ggggaattag	agagggaaat	atttatggat	atcaaaagaa	781
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accaacgtca	ccccgcaaat	catcaactcc	aagtgggaga	aggtgcagca	gttggtgcca	1321
aaaagggaac	atgcctctct	ggaggagcag	agaaagcagc	agtcacaatg	gcacctgcgc	1381
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cagtatgaac	gcagctatct	ggactacaag	cccaacctgg	acctgtctga	gcagcagcac	1561
cagctcctcc	aggaggccct	catcttcgac	aacaagcaca	ccaaactatac	catggagcac	1621
atcggggtgg	gttgggagca	gttgctcacc	accattgcct	gcaccatcaa	cgagggtggag	1681
aaccagatcc	tcacctcgga	ggccaagggt	atcagccagg	agcagatgca	ggagtttcgg	1741
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gtctctgctt	tctccacagg	atacagcttg	ggtgaggccg	agtcacaatg	catcatgagg	1861
ttggttcgac	ccaaacctag	ggccctcttg	accttcacag	cttccatcga	cttcattgtg	1921
ggggagacca	cgcacacgga	cacggctcgac	taggtcatct	cttctctcaa	ggctcttagca	1981
ggggacaaga	acttcattca	agctgaggag	ctggggagag	agctgcccc	cgaccaggcc	2041
gagtaactga	tggccggcat	ggggccatat	cagggccctg	acgccgtgcc	gggtggccctc	2101
gaetacaagt	ctttctccac	ggctcttgtat	ggagagagtg	acctgtgagg	cccagagagc	2161
ctgaaccaat	acccccgaag	gctccaggga	ggggccctgg	cagccccaca	gtcccattcc	2221
tccactctgt	atctatgcaa	agcattctct	gcagtcctcc	gggggtgggtg	ggtgggtggg	2281
caggaggggg	ctggggcagg	ctctctcttc	tctctctctg	tgggttggcc	aggaggttcc	2341
ccgacccagg	ttggggggag	ttggggggcag	ggcttctgggt	ctgggtaaata	tgtatgatgt	2401

```

gttggtgttt ttttaacaaag gagggttttg tggattccca cagcaataat ggtccttttt 2611
atggtttggg atggttcacc aatctcagggt cttcttccttt gctctggaggt ccttcacagg 2620
cttctctaat ctaggttttaa gttctatgtg cttcttcacg gaactgcttg ggctatggga 2630
gggtcagag agggggcaat caccacatga cggctgggga ccaaccaga cctctctccc 2640
ctctctgctcc agactcaact gccattggca ggagatggcc ccaaccaga aacccctgct 2700
ttgcagcaga ggagctgagt tggcagatcg gggccctctg aacggaccca tccaacagcc 2750
ggctctgctta gtcggctcac ggtctcaaga attgctagaa ccaaaaaaaaa agggacacga 2820
gcaaaaaacca agtcgaaaca acagggggg 2848

```

```

<210> 61
<211> 572
<212> DNA
<213> Homo sapien

```

```

<400> 61
acccctgggta atgggtggaga cgagggggttc cagcctcctg gctcctgttc cttcactgc 60
ateatcgccct gcaatgacag ctctgtcgga ccacggccca tgcacacaga gcagagggggc 120
ccaaragttct aatgaaaaagg cccataactt gaagtcagaa aattttggttc cagtcctggc 180
ctctctgaga attcactatg tggcctgggtg tgggacagaa aaattctacat aaggacagaa 240
ctctctttttc tgaagcaaaa aacagtcgag gggctacccat aagatttttt ccagcagttc 300
agttgcaaga gatgttaggc atctcctaca acccacacct gtcaaagaca tccccaggaa 360
gatgttcaga gttttcacat ttaggtgctg aacaacccca tatagctgtc tatactctga 420
cttatctccc tgaattcctt ggtgggtgac ctgggtcagt tccggccttg ctgacacctg 480
gtctccatgg ctgggtatat ctctaaagta tcttggtttc aggtcagccc tgttctctgt 540
aacaaataat tctttccctt cagtgcagag aa 572

```

```

<210> 62
<211> 650
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc feature
<222> 581... 581
<223> n= a, c, g or t

```

```

<400> 62
acccctgggta atgggtggaga cgagggggttc cagcctcctg gctcctgttc cttcactgc 60

```



```

atcatgggtt gaaatgaaa atctgtggga ctccatctta tggaaagaga gaaagagggg 120
ctcaatggctt aatgaaatgg ctccatctta gaaatgaaa aatagggtta cagtcctggg 160
ctctcttgaga attcaatatt tggctctggg tgggacagaa aaatctaat aaggatcgaa 240
ctctatcttt tgaagaaaaa aatagtcgag gggctacat aagatctttt ttagcagttt 300
agttggaaga gatgttaggg atctcttaca actcacact gtcaaaagaa taatcaggaa 360
gatgttcaga gttctcaaat ctaggctgtg aacaacctta tatagctgtt tatactcttga 420
cttattcttc tgaattcttt ggtgggtgac ctgggtcagt tccggccttg ctgacacctg 480
gtctccatgg ctgggttatat ctctaaagttt tcttggtttt agggctcagc ctgtttcttg 540
taacaaataa ttctttcttc ctagtggaga gaagtaatgg notcatctgg cctgatccag 600
catttgggga gaagccggtg aaagagggga tctaagagat atgtttaatg 660

```

<210> 63
 <211> 591
 <212> DNA
 <213> Homo sapien

```

<400> 63
acaaggctgag ttgggatttt aatcatgggt tcaatttaaa ggcaaaaggt taatcatggt 60
ttcggatttaa agatcargcc gtccagttag ccttttgtta tgatctaaag gtgtttgaca 120
gtttgaaatc caaaaggagg tcaactgagg tatggagaga tccacatatt gggctaaaag 180
ccagtcacat tttagcatctt ggaaagtat gtgaaaaatt gatatcgtct gttgtaaaaa 240
tgaagcaatt gccaaagctt tccattgttc ttttgcaatg aattaactca ctcttaataa 300
aaggaccgac acagggcctt aacgggtgg tttttgtgca gggccacact gtgtatcttg 360
ctctgatggt tgtcttttgt catagctcaa tgatgctgat taaatgagtt taagtgtgct 420
ggacagtggt gcacaaaacta ggccatttgt gtgtcttttc tctttctctt cctttgtaga 480
ctataaactc agcctgtatt ctaacaaaaa attttcattt cagaatttaa ggcagtggt 540
ttctctcaaa atgatattgt ctacacagat gtctagggac agccagtgga t 591

```

<210> 64
 <211> 542
 <212> DNA
 <213> Homo sapien

```

<400> 64
ctcaactaga attaacattg gaggtcaatt ttggctatga acataaatgt gagattaaag 60
ttgaaggggc cagatatctc tcagagatga ctacaaacac gggagatgtc tctgttttgt 120
tttcccatgc atgtaaattc aagtatctat aaacagcatg ggccaaaagg cagtcatgaa 180

```

gaggtttatg gataaagttt tttatctttg tatatattgt tataaataat aattttatgt 340
 gattttggtg atttttggga attttctatt ttatttgggt taaaatattg ataatggtttt 344
 tgagggaagt tttttgtata ataatgttta ttatagatat aagtttttgg attttttat 348
 aatttttggg ttttttaatt gtttggcttt tgggttgatt gttttttttt ttttttttga 420
 caaatctttt ttttttaatt tgggttgatt aatttttttt aattatagtt ttttttttga 424
 aatttttttt atgtgtgtgt aggtgtgtgt gttttttttt gatttgatgaa atgtgtgtgt 540
 ga 542

<210> 65
 <211> 586
 <212> DNA
 <213> Homo sapien

<400> 65
 aaattctttt tgacatctct caggggtata tttttttctt ttaactcata tgtcaccatt 60
 aggtttttta aattctttta aataatttat ttctagtgtt ctttggagtt cttttttttt 120
 ttttttttgg ggaaagtttt gaaaatgttt tttttttgtt tatgaaaaga atagttccac 180
 taggaagaag gggagtgttt ttgttgaaat aggaagaag tttgaaaact taggagagga 240
 ggggaatatg gttgtgtata aaaagcata gaggaggggg gaaatactct tccataggaa 300
 ggtttccacg tacaagatt tgaagacatt tttttgggga agtaaaaacac taaatcagga 360
 ttatttttca aagcccagaa aataacttaa tagattgttt ttaaatttact gtttttaatt 420
 agtttgtgaa gatattctga atagttcatg tagaatatct taactattttg tagatacttt 480
 tgtataaata gttgtcagtg agaaatgttg aaattgtgtt ttttcaaatt aagtaaatag 540
 gagagctagt atagcgtctg aaagaagtta gtaggttata ttgtac 586

<210> 66
 <211> 586
 <212> DNA
 <213> Homo sapien

<400> 66
 gtcaaaaattt ttttttgatc ttctcagggg tatatttttt ttttttaact tatatgtcac 60
 ctttaggttt tttttttctt ttttaatttt ttatttttag tttttttttg agtttttttt 120
 ttattttttt ttgggggaag ttttgaaaat gttttgtttt tttgtatgaa aagaaatagtt 180
 ctttaaggaa gaaggggagt gttttttgtt aaataggaaa gaagtctgaa attgtaggag 240
 aggaggggaa tatggcgggt gataaaaagt attagaggag gggggaaaata ttctttcata 300

```

ggagggtttt aggttctaaa gttttgagga tttttttttt gggaggtaaa aacttaaat 160
ttttttttt tttttaggtt gggaaataa ttttttagatt gtttttaaat ttctgtttta 180
attttggttg tgaagatatt ttgaatagtt ttgttagaat attttactat ttgttgagata 200
ttttgtata attttgtggt agtttggaaa gttgttaatt tgttttttta aatgtaagtaa 220
ataggagagt ttgttttagg ttgttaagaa gtaagttagt ttttttgtaa ttcttttggtt 240
ttcttcaggg taagtcatttt ttttagcatt ttttaaaatt ttattatttg tagagaaaatt 260
atttagatgt aggttgagta ttcttaattt gaaaatttga aacacaagat gtcttaaaat 280
tcaaaaatgg ttgttcaaat gagataattt tttaggcatt tttagactta gattttcaga 300
ttagggatgt tgaactggta agtataatgt agatatttta aaattctggaa gaaaaaaaaa 320
aaaaaaaaat gagcgggtt 340

```

<210> 67
 <211> 593
 <212> DNA
 <213> Homo sapien

```

<400> 67
gtgctttttt tgccttatgt caagttttaa cacaattatga atctccattt ctcttaaaat 60
agaggctaaa aagaggacca ggtgttcaca cagaatttgg agatgatgtt tggccagttt 120
gaactgtggag aggatlgaaa atggctgagt agggagggat gttgaggggt gcttggggct 180
ttagragctg ttaattttat agaattgggt aaaaataaaa ttgtggatag atcttgcctt 240
agcttttttt atctctgggt ttggacaga gaattgttta agtcatttca tgtttattga 300
gttatcttgg ttaattatca gtacagattg ctcttaagtg gtttttgcct ctctttttta 360
ttatcgtctt gtacataaa ttctgggaaa cttagtttct ttatttaata ctctcaaggt 420
tgaatattaa atcatatgaa caggatttgg aaactataaa gcaatgctat gaatgtaagg 480
tgtcttttat ttgccagtta ctgagtcttt aagggtcaat tgtctactca atacttgggt 540
taactgggta ggatttcatt aggggaagcag aacctttata aatattgttg aat 600

```

<210> 68
 <211> 578
 <212> DNA
 <213> Homo sapien

```

<400> 68
gggaacagaa gagagaaaaa aaacactggg ttaactaaag agacaaaaag tgaagcaaaag 60
ttgggatctg tccacagcct aggggggaaa ttaactgtgt ttgagagtag ctgtgcacac 120
agtgccttgg ttgtcctctt tttaccccag atgggaagaga acgtgttctg aaaggcagag 180

```

```

caaaatcacag agctctcaaa ctgtctttaa gggctcttgg ctgggggggt ctatgcaagt 140
aatgacaaaa cctacatt ct gggagaaaa ttggagaggt gaagttaggt taagggtatc 160
caacacactc gtttttccat aatcaaggga aacctctgtt taaagatggg ggattgaaat 180
caatatatta tctctctctt caccagaaaat cgtactaaaa cgaagggaat ttttttttaa 420
ggacacaaatc acaatgacaa aataacagga agagagatgg tggagcacgc atcatctttg 480
gggaacctga agaatccaa cggcaaaaag agggcagcgg gagagcagga caggctggaaa 540
ctgaactgaaa agggccagga aagccagtga cccacctg 576

```

```

<210> 69
<211> 730
<212> DNA
<213> Homo sapien

```

```

<400> 69
gggaacagaa gagagaaaaa aaacactggc ttcactaaag agacaaaagc tgaagcaaaag 60
ttgggatttg tccacagccc agggcgggaa ccaactgtgt ccgagagtag cctgccacac 120
agtgccttgg tgtgcctctc catcaccacg atggaagaga acgtgttccg aaaggcagag 180
caaaacaacag agcctcaaa cgtttataaa gggccctcgc ctcgggggtc ctagcgaagt 240
aatgacaaaa agcaccctct cgggagcaca ctggagaggt gcagtcagcc taaggctatc 300
caacacactt gtttttccat aatcaaggga aacctctgtt taaagatggg ggattgaaat 360
caatatatta tctctctctt caccagaaaat cgtactaaaa cgaagggaat ttttttttaa 420
ggacacaaatc acaatgacaa aataacagga agagagatgg tggagcacgc atcatctttg 480
gggaacctga agaatccaa cggcaaaaag agggcagcgg gagagcagga caggctggaaa 540
ctgaactgaga agggccagga aagccagtga cccacctgtt gcatcccgaa gaactgcccc 600
gaagctcagg ccttggaggt gctgagcggc tctggaaagt tgggcaaggt gacagtgaag 660
agagctgaac tgtttgaaag tctctttcag aagcaatgag ctcatcccg caccaaactc 720
ccagttcagg 730

```

```

<210> 70
<211> 408
<212> DNA
<213> Homo sapien

```

```

<400> 70
ggggcttctg gttacagatg gaaacctgga gaagtgtcgg ggtacaccca tttttttttt 60
caacagactc ggagtgtctg ccttggggca ggaactctgc ctgacctccc agatgaggtg 120

```

```

tgggtctagc aactttcttt ggggaagggaa ggaaggggtt ggggtatggg ggaagctggg 180
tatgtaaaag aactttcttt tgaagttat attttcttt aattatttaa ggtctgtatg 240
tggttagaagg aggttagtat ttgtatata taaggtata ggtgtctac aaacattttt 300
gagatggga tctagttta atttcagac atcgtgtaa aagctaaac caagctgtgt 360
tgatctagag atgtgtttt tctatagat ggttaatat aaatttga 408

```

```

<210> 71
<211> 430
<212> DNA
<213> Homo sapien

```

```

<400> 71
ggggcttctg gttaccgatg gaaacctgga gaagtgtggg ggtacatca ttctttcttt 60
aacagactc ggagtgtctg cctggggcga ggaactctgc ctgacctccc agatgaggtg 120
tgtgtctaga accgttccct tgggaagggg aggagagggc tgggggtatgg gggagcctgg 180
acatgaaaaa ggactaccct ctgacagtaa catttccctt ctacttatto aaggtctgta 240
tgtgcccaga cgggtgcctag cactttgtat acattagctt atcccggctc tcacaaaacca 300
tctctgagat gggccattac cagtgtccaa atttcagac atcgtgtcca aaagcccaac 360
ccaaagcctgt ctgcaccag agcctgtgac ctttcacac caagaactgg ttaataaatt 420
aaaatctgaa 430

```

```

<210> 72
<211> 239
<212> DNA
<213> Homo sapien

```

```

<400> 72
ggggagacaa acataccctc ctgaccttgg ggaagtgttt cccctgctct tgtgtccaa 60
ggggagttgg caggactgtt agaaatgagg gatggggctc catttggccc accatgggct 120
aaatctccag agctggagag tagtaatttc tccccttgg gagtgggtgt gattctcttc 180
tctctagagg tcaagtcttg ggtagcaga tggagaacag gactctgagg gacttctat 239

```

```

<210> 73
<211> 333
<212> DNA
<213> Homo sapien

```

```

<400> 73
ggggagacaa acataccctc ctgaccttgg ggaagtgtat cccctgctct tgtgtccaa 60
ggggagttgg caggactgtt agaaatgagg gatggggctc catttggccc accatgggct 120

```

aaatctttag agctggagag tagtaaatct tctctcttgg gactctctgt gattctctct 141
 tctcttagag tcttgggtctt gggcttagtag ctggagaaat ggactctgag ggctctctat 141
 cttagctatgc atttagggat ctactggagg tcatgggctt gctgacacac ctatagaatt 141
 tgggttaggt ctgtagggg ctactgggt ggc 141

<211> 74
 <211> 636
 <212> DNA
 <213> Homo sapien

<400> 74
 ggtactctca atattagagt ctgctcttata caatataaga gaatagtaac tattcaagta 60
 ctctgtaaga gtataaaaag gagaaaatga ctgtctctca cttagagaag tacataaatgt 120
 agcgaaggat acaaaaacaa atataaaaaga aagaatataa aaataagtgc agctataaat 180
 attataaaaac aaattataag aggagctctt tagcatctat ctatctgtta aagctctaca 240
 ttaatgtgtt tgaagcttat tttattctct agtaactctc tgaggaagct acttaattgaa 300
 caataaaaact gagacttgga actattaagt tttttgcttc tatagctctc aagttgagaa 360
 ctgagattta aagctggctc atgggagaa aaagtctctc ctctctctgc aacattactt 420
 ggggtataaa aaagaaagag gctagcttgt atggatgagg ttttatagag aaggtctctc 480
 agggaaaaatg aaacttgaag aacaaaaaaa taagagatat aagaagttga acctctctgc 540
 ttgactatt tctgggaagt gggaagatta tagattattc aggaatatta gaggtaaaat 600
 ctacttattc agcaatattt gttgagtgtc tactga 636

<210> 75
 <211> 244
 <212> DNA
 <213> Homo sapien

<400> 75
 ggattatttt tttctactt tgaattgctt aagaatagac ctactaaaat gtttatatcc 60
 taggcagtga atgatttgat ctctatagga atgagctggg tcttatcata ctagaatttg 120
 ggggttaagt acagatgcta atataggga atagaagatt ttttctctc aaaattagtt 180
 aagaatagca aatagcatta aggcagttaa ctctgatgaa atactataga gaaatgggtg 240
 atgt 244

<210> 76
 <211> 359
 <212> DNA
 <213> Homo sapien

<410> 76
 ggattatctt tctttcattt tgaatagttt aagaaagatt tcagtaaaat gcttatatct 60
 taggtatgta atgatttgat ctctatagga atgagctggg tgttatcata tcagaaattg 120
 ggggtaagct atgatatgta atatatagga atagaagatt ttctctctta aaattagttt 180
 agattagcaa ataggattta ggagttta atgattgaaa taattagcaa gaaatgggtg 240
 atgttatctt ggaaatgata ctctctctct atctctctct tcagcatttg ccattcctaac 300
 catttgggaag ctctgggtgt tgatgcattg cagtattttt tttttctttt ctttgagaa 360

<210> 77
 <211> 142
 <212> DNA
 <213> Homo sapien

<400> 77
 tagtggggga ccagccgagc ctctgcaggt gggcacagga tgcctggggt ttctcccgag 60
 gcagtcctgg gagcttctgt ctgcagagca ccccaacct agcttcagag agtgggggga 120
 ctgtggagtg gggctgtctg ca 142

<210> 78
 <211> 72
 <212> DNA
 <213> Homo sapien

<400> 78
 ctgaatgaca gagcaagact ctctctctct caaaaaaaaa cagagagaga gagtttagag 60
 accaggcata gt 72

<210> 79
 <211> 529
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (234)...(388)
 <223> n= a, c, g or t

<400> 79
 gtctttatca agcttgaaa tcacagaatt ggaagtctga ggcacacaga tatgttaaca 60
 gaataaccca attgtttctc aacaatggaa agatgtggga tcagagagag agtttttgtt 120
 ttgtttctgt ctatcaagtg actgcctctc atgtgataaa attggagagg tgaactgaga 180
 gtctctcatt acaaatatag ctgaccttat tgcctactga attttgatac tgannnnnnn 240

```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      111
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      161
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnag taccagaaatg cttaacaaagg caatctgaa"  421
tgggttactt ggtttttgtg agaatataaa tggaggggtt ttgttataa ttgtctgata  481
tgaataaagt ctcaaacata taagggaatt agaaataatc tgttgatgg          529

```

```

<210> 80
<211> 567
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> 112...112
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 134...134
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 146...146
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 101...101
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 107...107
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 137...137
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 140...140
<223> n= a, c, g or t

```

```

<220>

```


<221> misc_feature
 <222> 213...215
 <223> n= a, c, g or t

<221>
 <221> misc_feature
 <222> 213...215
 <223> n= a, c, g or t

<221>
 <221> misc_feature
 <222> 2371...237
 <223> n= a, c, g or t

<400> 80
 atcaagtga gntccctca atgaatgaga tggnaactga actgantctc aggggttaacc 60
 aggttggaga ataaagtgtg gcgtgtttctc ggcagagggg ncaacantgt gatcacaagg 120
 agagagggaa ggaaacnactn tgggtgtgcag aaggaattat gagcacttag gtgttgcctg 180
 agcttaaaagc tgaataggaa gnaactaactn tgtagccaga gataattggc aaaggtingaa 240
 tcatgaaggc ccgtgttttgc caggtgaaga catatttgtt acacacagct tgttatcttc 300
 attatttgtg tattgcattt tggattggag ccgtctgata aggttttgtt tttagacaaa 360
 cccctctatc agcagtgggg aaggtggatt tcagggtaag aattctgaag catgaagacc 420
 agtcagatgg ccgttgcagc agttcaggca agganaatga ggctaaaatt aagactggga 480
 ggggtgaggat ggggaagaga aactagagcc aagaaatagg tgggtttaaa aagaagtatt 540
 tagagggtaa aaagaatact aactggc 567

<210> 81
 <211> 4158
 <212> DNA
 <213> Homo sapien

<400> 81
 atgagccacg gggccgggac cttaagaagt cttaaagtcg tctatgatgg gctaattggca 60
 ctcttcacga caagccctgat tgcactgta agctccagag gaaaaaatgt ggttatagag 120
 tatattaaaa tatatacaat tgaaaaggaa gatgttcatt ttggcaagca gaagattacr 180
 aacagaatgc taaaattcaa gtctggactat gaagagagcc cagtgtaacc agtgtacgtg 240
 caagccaagg acctggggcc caagcctgtg ctggcgaact gaaaggtgat agtgcgagta 300
 ctggatgcta atgacaacgc gccagagatc agattcagca ccgtgaagga agcggtgagt 360
 gagggtgggg ccgccgggac tgggttggcc cttttcaggg tgaactgacc cgactcagag 420

gagaaagggt	aggtggagag	ggaggtatgt	ggagaggtgt	gttttgggtt	gaagtgtttt	461
tttaagaatt	atttaccact	gtttatggaa	ggttttttgg	atggagaggt	ggaggatctt	491
tataatttga	ttgtagtggt	tggggaagg	gggaggttgg	gggtttttac	cagtaagttg	511
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<210> 82
 <211> 270
 <212> DNA
 <213> Homo sapien

<400> 82
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 agcaaaagac attttttttt tctacaaaag aaactcttgg aacaagttag ctacactttc 180
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<210> 83
 <211> 612
 <212> DNA
 <213> Homo sapien

<220>
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 <222> (349)..(456)
 <223> n= a, c, g or t

<400> 83
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 cttcagaggt ctgttgtaaa aggatgcaaa gaaacagggg actagaaggg actgtggggc 180
 ccaaaggaga aataccagca cgtttgtatg ttgtcaataa tgtttcagta gaaaggtaaa 240
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<210> 64
 <211> 641
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> 1268..1268
 <223> n= a, c, g or t

<400> 64
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<210> 65
 <211> 1035
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (97)..(179)
 <223> n= a, c, g or t

<400> 65
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 ttatttcagt ttcttatata cttaattttt ctattgctag tcttaagcat tagtgagaaa 480
 gtcttgctaa aattacccaa tatgaccagg cttttttttt ctttctaact ctgtcaattc 540
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<210> 86
<211> 662
<212> DNA
<213> Homo sapien

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<400> 86
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ac 662

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<210> 87
<211> 664
<212> DNA
<213> Homo sapien

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 gattatttat ctggtactac catattatgg attgaaggat gagacaagag attgagtatt 420
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<210> 88
 <211> 528
 <212> DNA
 <213> Homo sapien

<400> 88
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 tgcctgctaa gaaggaggca aaagagggaag tgggaattgt ccccaatatg ctctaatag 480
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<210> 88
 <211> 1282
 <212> DNA
 <213> Homo sapien

<400> 88
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<210> 90
<211> 266
<212> DNA
<213> Homo sapien

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<220>
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<222> (259)..(259)
<223> n= a, c, g or t

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<220>
<221> misc_feature
<222> (263)..(264)
<223> n= a, c, g or t

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<220>
 <221> misc_feature
 <222> 268...268
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 271...271
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 277...277
 <223> n= a, c, g or t

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<210> 91
 <211> 644
 <212> DNA
 <213> Homo sapien

<400> 91
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<210> 42
 <211> 671
 <212> DNA
 <213> Homo sapien

<400> 92
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<210> 93
 <211> 499
 <212> DNA
 <213> Homo sapien

<400> 93
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 ggttaggaag gtgagagttg atgaatgtga gagagaaata aaacaaaatg gcagaaggaa 420
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422

<210> 74
<211> 684
<212> DNA
<213> Homo sapien

<400> 94
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tatatactat aaataaaact ggtgataagt tgggttttaat taatgatatt ccga 654

<210> 95
<211> 431
<212> DNA
<213> Homo sapien

<400> 95
gtttgagcca ctgtgtccag ctgaaagtt ctgactcaa gtgggtggga acacataatt 60
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tcgacacaga tctattcatt gaacatttaa gaattgtctt ttcatcctat cgtatatctc 180
atatttatga gagaacatct tttagtaaac tttaacaagg gtctctcttt tacatattaa 240
tatgttgatg aatgttaaag tagaaaagac tcaagccctt accatactaa tctttctctt 300
tctcaagaca gatctttatg ggcagaaaca cagaaatgga agtagcagat tttaagaaaa 360
ctgattcaga ctttgaattt gtatgaactt atattctatt atttatttga gtcataagat 420
tcttgggttt t 431

<210> 96
<211> 616
<212> DNA

<213> Homo sapien

<221>

<221> misc_feature

<222> 15...15

<223> n= a, c, g or t

<221>

<221> misc_feature

<222> 61...61

<223> n= a, c, g or t

<220>

<221> misc_feature

<222> 191...191

<223> n= a, c, g or t

<400> 96

ccagggttcc ggttngtitt cctgtgtggt ggttcggggc catgggtgcc aacggcaact 60

nccctggggg cacagagtag gtttccctgt agctgggtgg ggccatgggt tgcgcgcttg 120

caatigcccc tggggggcaac agacttaggt ttccatgtga gcttgggtgg ggccatgggt 180

gcgcgcggca cctgcacctg ggccaacaga gtaggtttcc tctgagctgg tgggggcaat 240

ggctgcgggc tgcacctgcc cgggggcaca gactaggttt cctgtgtggt ggtcgggggc 300

atgggtgcc cgggcacctg ccttggggca cagagttaggt ttccctgtgag ttgggtgggg 360

ccacggctgc cgcctgcact gccctggggc acagactagg ttccatgtga gctgggtggg 420

ggcatggctg ccgcgcggca ctgcacctgg gacacagagta ggtttcgtgt tgcctgggaa 480

attaaggcgt aattttgatt cagtttttcc taaagaagca ttctgcattt ttatggcttt 540

tgcagttggg gagaaaagctt ctctattttg gatgcatttc agaagggcgt tctatttaaa 600

atgaattctg aaacag 616

<210> 97

<211> 1636

<212> DNA

<213> Homo sapien

<400> 97

ctgtttgcag attcatgttt aatagaaggc cttcttgaaa tgcataaaaa atagagaagg 60

ttcttccgga actgcaaaaag ccataaaaaat gaaaaatggt tctttaggaa aaactgaatt 120

aaaaatagga ctttaattgccc caagcaaatc gaaaacctac ctgtgccccg gggcagggtg 180

ggcggggagg catgggccccg accagttcac atgaaaacct gctcgtgccc caggggcagt 240

cagggggcag ccgtggcccc gaccaactca caggaaaact actctgtgcc ccagggcagg 300

tgggtgggtggg aggtatgggt tggacaaata ttacaggaaa. ttaatttggg ttatgggggaa 370
 ttatggggg gaggatattg ttatgacaaat ttacaggaaa aattatcttg tgggtggggg 420
 aaggtggagg tggaggttat ggacaggaa aggtcaagg aaatttagt tgggtggggg 480
 ggtgggggag ggggtagatg tgggaggaa aggtcaagg gaaactact ttgtggggaa 540
 ggggaggtgt ggtgggaggt ggtggggg aggtatctac aggaaaacta ttgtgtgggg 600
 cagggcaggt ggggggggaa ggggtggggc ggaacaggtc acaggaaaac tactctgttg 660
 cctgggtcag ggcaggtggt gggggcaggt gtggggggga ccagggggga ccaggtcag 720
 ttgtttctga ttgtgtcag gtacaggtc aggggggggg ggggggaaga ggcctctctc 780
 cccgacactg tccccatcac ggggggtcccc gtgtctctctg ggggagccat cactgggtcag 840
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 tgctttctggc agcaaaagctg ccccccaac ccaggagggg ctgatgactg agctcgagtc 960
 ctgtggaggt aggaacagca caggaccttg cctggccact ggctcagaaa gacctccct 1020
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 gtccggggag actggtcagg ccaggaaagt ccaggtgggt tgggaggggt ggtcagctga 1140
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 ggctctctga gtgggaagtg ggttttggg tccccaccaa actggaatct tccctccact 1260
 ccaggaggtt ggggcaggca gagccaggtt agcagagggc ccgggaaggc tcagggaacaa 1320
 caggaaaagg agcgggggca cagggaactt ccacactccc caccctgtcc accccatcgg 1380
 ccccatccac cccgtgcacc ctgtctaccc catctacgtt cacttccctc tgcactctca 1440
 aactctccga cctctgacct tggaggaggt gaaatccggc ctggccaggt gtctgcagtg 1500
 tgggaccttg tctctctca cgtgggaggt ccagggtggt cgtcagtggt ggatctgtac 1560
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 cccctgggtc cattga 1636

<210> 98
 <211> 638
 <212> DNA
 <213> Homo sapien

<400> 98
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 ttctctctac tttaactagt ttctctcttc caattttaaa aaatgttgtt ttctcttatt 120
 agggttctgt ttgggaactgt aatatcttat agaaatttta ggattacttt cataaaaaatt 180

ttttaataatg ttagaggttaa tttaagaaa ttttttgtat taaagttagg aagtttaattg 440
 ttttaataaa ttgttttggg gttgttttga ttgtttgatt atgggttttaa ttaatttatat 460
 gatagggttt tgggttaggaa ttttttgtat gtttaataat gtttttgttg agaatgtaga 480
 ttttaataat ggatttata ttttttagaa ttatttggaa ggtttgggtg gtggatgtga 420
 ggttttataa tttagaaaaa tgtattttgt tagactatga gtatctctaa tttttaaat 460
 gggtttaattg gatgggtgggg agtattttgt ttgattttct gtgtataaat caccgatggg 540
 ttttcattgt ttgattttct ttggggatag gtttttcaga ttacaattag ttttaattag 600
 ttggttgggt ggatctgatt gtaattctag taagttga 638

<210> 99
 <211> 1253
 <212> DNA
 <213> Homo sapien

<400> 99
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 ttttaataga gtgataagat attctctact ttgtctctat ttgaaaaa agctacratg 180
 aataattataa ttacattctg ttatcttctg ttagcatagt aatattttaa gtgatttaag 240
 gaaaataatg tttaacttcc aaaagatgca ttcattttat ttatttttat aaaaaaactg 300
 caggtttaat atatacattt tgagtgaagt cattgttaat taagggatgt tacagccctt 360
 tttgtactat gaagagactt tatgattttt tttctgttaa gggtagtatt tacataaaaa 420
 ataatttcat caaaccagag agaggccaac agacattaca tgtcatctca ggtgggttcca 480
 agcagagatt atctcagaga gttctttgac catttaattt ataaataatt ctacttgggt 540
 tttctttcta ttttcaactg tttctctttt ccaattttta aaaaatgtgt gtttcttatt 600
 caggggttttg ttttggactg taatatttta tagaaatttt aggattactt tcaataaaaa 660
 ttcttaatac tttagagcta attcaagaaa cctgtgtgca ttaacgtcag gaagtttaact 720
 gtcccacata attgccttgg agttgtttct aattgttgat tatgggtctca aataatttct 780
 tgacagggtt ttgggttagg atttttttga tgcacacac tgttctgtgt gagaatgtag 840
 aggtacattt tggactttat atttttatga aatatttggg aggttggggg ggtggatgtt 900
 aggtttctaa atcagaaaaa atgtattttg tttagattat agtatctcta atttttaaca 960
 tgggttaatt ggatgggtgg gattatttgc ttgattttcc ggtgtataac taccgatggg 1020
 gtttcactg tttgattttt ttggggata ggtttttcag attacaatta gtctaaatta 1080

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3000000000 0000000000 0000000000 0000000000 0000000000 0000000000 1140
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0000000000 0000000000 0000000000 0000000000 0000000000 0000000000 1260

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<210> 100
<211> 147
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> 17761..17781
<223> n=a, c, g or t

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<400> 100
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acagcaacat tctgtggag tatagatggc tatgactaag gtagtgtgag tgggtggctct 180
tataaaatat gctctgcttg ccttagggga aaatagttcc ttaaaaaact tctcatccaa 240
ctctcagtg ttaagatata taaacaaaag tgacacata taaacaaaac agtaatgaca 300
cttgaaagaa ttttttaaca gataaagaac agtaactcca tgggttatgt aacaaacaa 360
taggaaggag agactttaaa attgacacaa tcccagagat gttatatctt aagttatgaa 420
tgtgtgtgct ttgaagaaaa atcagcttcc tcatattact cacatatata tattattaca 480
taacaatgtg ttaaatggga ctacagtcaa taaaagagtt attgcagctt ctgaagggtg 540
cagaacttta acttcagat attgcttaat gcttgggaaa ccttgggaaa cagggcaagt 600
caatttaacc aagcttttgc ttcttagcra gctgtgatgg tgggtttctc atagtctgga 660
taaatccaaag aatactttca tggccttagt gaaatttgc cttctgaaat tattagggaaa 720
acgaaatata cattatgaaa cttctatcac tctaaagaa aggggaaaaa ctatttaanaa 780
tgaagctctt atttactaat gcattctcat ttcaggagca tttggctaaa ctggggacaa 840
aaaaacaaaaa cttgtttctta attaacaaaa gaactagaaa gaagctcata tgaaagcacc 900
acctgtgtgt cagtaagctt caggatagct ctgttgacag cagggcattt agagagctcc 960
aagtatagtc atgtatcaat ggggagggaa gaactttga ggacatctag tttanaatct 1020
ttattatttt ttaggtgtag aaaagagatt aaagatcata gaagtcagaa taaatttgtta 1080
aaagttctca tagtcaaaa agctaaagtaa tggcattgac cagactccaa aatcttgacc 1140
agaatataaa tcaaccaattg ttggtttaaa ggggttattt gtgaatcatt ttcaaaaaaa 1200

```

```

agaagtaaac ttttttggtt atttaccatt ttaagaaaaa taattttcca agatcatttc 1280
agattttttt aggaatgtat ggttatttta taattgacca ctctaaaaatt gtaagaaaaa 1320
aaatgtttag gtcattttgt tttttttaga gtaaaagtat ttctaatcta ggtttgcata 1360
taacttttag gttgttgagt tttttttaga ttgttttaaa tacaagacct gttttttttt 1400
aaatctaaaa actaataaaa atttataagg ttaaaaaaaa 1440

```

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<210> 101
<211> 2313
<212> DNA
<213> Homo sapien

```

```

<400> 101
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cttgtttttaa aagaatagga caaggcaaac actaaactga caagtattca acaagaatgt 120
ccttagataa ccttagaata tatcacttta tacagcattg ttttttaaga taaaaaatt 180
ggagatagtt ctcaagcacc ttccagtcct tgccttgtaa ccttagcccc agataggttc 240
aataatggat ttttaagtcc cctaggcggt ggagtgcacc ttaacaaaaa ccaatcagga 300
cttttattag taagaagaaa actaggaaaag ttgttgtttt ataacattaa tggctctgcta 360
cttttaactt tgatttttca tggatttttt aaaagtaatt tcaagtgtta gagacaattt 420
aggcaaatca taacatattt tatcagagac tgtgcacaaa gggcactttt aggttagctt 480
attctccaca ggttctatac ataaatcatg aggtgttaag agaattattg tccaggaatt 540
agaaaaagtg ggaattttaca atcacctaaa gcaatatgac ttttaagaaaa tctgttaact 600
cccatcatct ccttttcccc tctgtttaac atttgggtgg gatagattta gataagttga 660
cattagtata gatactttac tattataaga ggttggtctt ggtagaatto tatgattcta 720
aagtgtgttg actacaagtg tggacaggtg taatcacttt acctctacac tggccgctgc 780
atgttgacac tgcctttcat atggtgggga ttttaacaga acattcctgt ggagtataga 840
tggttatgac taaggtagtg taagtgggtg tctttataaa atatgtcttg ctgtgccttag 900
gggaaaaatg ttccttaaaa acgttctcat ccaactctct agtgttaaga tatctaaaaa 960
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gaacagtaac cccatgggtt tgttaacaaa caactaggaa ggagagactt taaaattgac 1080
aacatcccag agatgttata tcttaagtta tgaatgtgct gcctgtgaag aaaaaatcag 1140
ctctctatat tactcacata tatatattat tacataacaa tgtgtcaaat tggactacag 1200
tgaatcaaaag agttattgca gcttctgaag gtgacagact ttttaacttc agatattgct 1260

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taattggttgg gaaattgtgg gaattatggt aagttaattt aaattaggtt ttgtttttta 1320
gttaggttgg atgggtgggt ttacataggt tggataaatt caagaaatatt ttcatggggtt 1360
tagtgaaatt tgggtttttg aaattatttg gaaatgaaa taacattatg gaaattttta 1440
ttatttttaa agaaagggga aaattattt aaattgaagt ttattattac taatggtttt 1520
ttattttagg agcattttggg taaattgggg aaaaaaaata aaattttgtt tttaattaac 1560
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agctctgttg acagcagggg atttagagag tcccaagtat agtcattgat cactggggag 1680
ggaagaattt ttgaggacat ctagtttaca atctttatta tttttcaggt gtagaaaaga 1740
gattaaagat catagaagtc agaataaatt tgtaaaagtt ctcatagtca aaacagctaa 1800
gtaatggcat tggccagact ccaaaattct gaccagaata taaatcacca attggttggtt 1860
taaagggggtt atttgtgaat cattttccaa aaaaagaagt acactttttg tgttaactta 1920
catttcaaag aaactttatt ttcaagacca tttcagattt ctttaggaat gtatgtgtta 1980
cccataattg accacttcaa acttgtaaga aaaaaaatgt tatgggtcatt ttgttttttt 2040
tagagacaaa gtattttctaa tttaggtttg catacaacct tgaggctgtg agatcattag 2100
tcaattggtt taattataag cctgtttttt tttttaaatc taaaaactaa taaacattta 2160
taagaattat aacagattat ttttttatt aaattacttt gtaatcaagt tttagattaa 2220
atgttttaaa atgcattaaa ggattagttc tatctcaaaa gacaaaataa aactcgaggg 2280
gggttcgta cctattctg ccgatagtga ctt 2313

```

```

<210> 102
<211> 217
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (136)...(164)
<223> n= a, c, g or t

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```

<220>
<221> misc_feature
<222> (169)...(199)
<223> n= a, c, g or t

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<220>
<221> misc_feature
<222> (172)...(172)
<223> n= a, c, g or t

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<211>
 <211> misc_feature
 <212> 162..163
 <213> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 164..168
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 190..190
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 192..192
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 196..198
 <223> n= a, c, g or t

<400> 102
 agaaatggga aaattctctt aaaaattggc acacaaaga: tatttttctt tctctgtctg 60
 caactgagat ctacactca atttatccat tctgaaatc tggggcaaag ctacccctga 120
 ccgagagatt ccattctenn nnnnnnnnnn nnnngtcant tttaaaggct aacatccaag 180
 anttgggngh gnatgtgnge atgtttatat ttagaag 217

<210> 103
 <211> 667
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> 1231..1542
 <223> n= a, c, g or t

<400> 103
 acacaaaaag gttattgtgg ggagaaagg cagcaaaagg aacacagaga agatctttaa 60
 agtttcaactg ctaaaaggat ttattacata acacggccac cttttggcag ccagacccaa 120
 ccgaaaagagc aatgggtgta ttcttgaaag tagcattctg tccggccgaa atatggtaat 180

```

gagattttaa agatttttt taagagagtt taatgggtta agttaggttt nnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnn 540
nncttctctt aaaaacttgcc acacaaaagat ttttttctct tctctggttg cactgagat 600
ctcacaactca atttatccat tgetgaaatc tgtgggaaaag ctacccttga tggagagatt 660
ccatctc                                         667

```

```

<210> 104
<211> 451
<212> DNA
<213> Homo sapien

```

```

<400> 104
ataacattct agaaataaat tgtttaatat aaaaatacact aatatataat aatgtattac 60
ttaaratatg attatatata actataatgt gtaetgtttt acatatatat ttccaaagta 120
tactataaat gcaattccgc actttgctct ttttactaaa tatatcttgg aaatcactct 180
ttattcttac ataaaaagct ccacagttcc tttttatggc tgcaaaatgt tccagcttat 240
ggatggactg attctctatc gagcaacatt aagatttgtt cctatctttac tattctaat 300
tttgrtgaa gaaatttctt ttgccatgtg atttccacag gtgtatatat gttagcgtat 360
tagtactagt agaaagtaga attgctagat caaagagtat gtgccttgta attttgatga 420
tattgtgaaa tctcttccac agaagtttgt g                                         481

```

```

<210> 105
<211> 852
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (557'...'857'
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (821'...'821'
<223> n= a, c, g or t

```

```

<400> 111
ggaggaggagc tcaaggtcagg aaatggagtc atctctcttg ctgggtctta gaatttccct 60
ctctgggaat ctactctat ctggagggtt tctatagctt atgttcacct ttgggttgtat 120
ggaggttggtt ctctcactgt tcaatctaat ctctagtgac agaagtagaa ttaactaaaa 180
caaaaggttag gctctcttgt agccaagaat ctagtctctt ctgggtctgca gatgagggga 240
tgttcagtat cctaacctgt tctctgggca caggatgggt tttctctggg tggggtcac 300
gagcctccca ccttagaata ccttaggaga cgggaagtgt gcaagctcta gagcctact 360
ccggacttgt tgaatctgaa tgtgttagtg ctggggctca ggaacctgta taggaaagtc 420
acagaaagca tagatctgtc tgaagaaact gctgcagcct ccattcattt cttctctcat 480
cttccaggcc atgaacttoga actttgttag gatccaacct gcagggagat ttcattgcag 540
ttcagtcaca cacacantca cccactagca tggctgtatc caatatcttc ctctggatgtc 600
aggagagctc tgtctctggc ctcaaggacc tcagggtcta gttgaaggaa tgaagtgtgc 660
tcattattaaa agaaaagtag caatgcaaag caaagaagga caagtgcaaa tgtgcagtgt 720
aaacttgatt ttaagggagg ggagaggctt tggccttggc caggatccca aggaaggaga 780
tgaagacatg gaattggagg cagtgcagaa gctggctctt ccagaggag cagtgttgac 840
aaggccctg ta 852

```

```

<210> 106
<211> 456
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (84)..(129)
<223> n= a, c, g or t

```

```

<400> 106
taggttaactt tctctactaa tagtcttct agaaatcttt catatttcct ggggttattt 60
ggggattcag aaagccaccc agannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn actgcatttt aggaagggtg gaattctagag aagagaacac caattgggaat 180
ccctgcttag cgggtgaatgt gaaagtagac atagtgggtt ccctctcttc aagtgcactgg 240
gtcttacttc aagtaaatla gacatttctt ggagatcagg ggttggtgat tttaacttct 300
ctatatagcc atagtactct ttaagagctt actaaatacg tgttaaatgg gaactcatga 360
tggtaacaaa tagctcagcg gagatgttct acagttattt catacatggt actttgaagt 420

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agtttagctt attttgtgaa gtagtggtaa ttagaa

480

<210> 107
 <211> 601
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (393)..(393)
 <223> n= a, c, g or t

<400> 107
 tacagaaagt catagggagt agtgaccat ctgggatata aaacaaggto ctaagctagg 60
 attgtggatc acaacggatg aatccaggat ctagtttcta gtgatacaag agaggggaatt 120
 ggttatgaat aactagataa aatcttagtg cctgaaaacta ggtcacaata tcagagcagg 180
 atcagcagaa tgactgatcc taactgagcag ataagctacc agtctgaggo ttctaaaaat 240
 tcttcagta tagagcacca gcccaggccc tgaggccaag ataagattcc aggtggaact 300
 tcatgggtcc aggtggccaa agggctggag ggcttttgct gaaaagatca ctgcagatag 360
 tatttgagaa aattactcaa aaccagcctt ggntatatct taggcaagaa ggaaagtatt 420
 ttaaaagaat ttgtgaattt gtttcagttc acttggtttt tgtggagtaa attttactca 480
 ttgatatac aaacttcata g 501

<210> 108
 <211> 377
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (313)..(317)
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> (333)..(333)
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> (341)..(341)
 <223> n= a, c, g or t

<220>
 <221> misc_feature

<222> 354 .. 355
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 359 .. 359
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 374' .. 374'
 <223> n= a, c, g or t

<400> 108
 actgtggcttg gctgtgtcttt taaaatatga gataatatat ctgttggatg gatgcttaaa 60
 agtggaaattg cttaggtcaaa gaaatgttt tttagttgac ctctatagag actgtaccaa 120
 ttaacagaat aggagtcttg ctgcatggga tattgttaag acttgggtggg cctttgttaa 180
 tataagagaa aattgggtggc ctttcagaat ttaagtagta tttttagtag tacatattta 240
 agagtgatctt ttgtgtgtga actgtttatt ttttgcatt tattctattt gattgtgggt 300
 tatctcattg attgtangaa ctctttgctt tctttttctt negatctgac aaanntttcc 360
 ttttcatgng gatntcc 377

<210> 109
 <211> 884
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> 108' .. 108'
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 140' .. 140'
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 300' .. 300'
 <223> n= a, c, g or t

<400> 109
 aactgagggtc cagaggaggt tgggtgcttt gctcagaggtc acacagcttg tgaagtctgg 60
 tggagctga ggaacgtga gaaaatctgt gtctcacaagc tctgaagctg ccacatgggg 120

```

gacagataaa attattctctt tttttttt; agatagggg; taannatcat taaggttata 140
gtacagtggg gcaatcatgg tccactggca cttccaactc ctgggctcaa gggatcttcc 240
caactcagcc ccttgagtag ctgggtctac aggcacagtg taactatggg ggttaatttc 300
taaaagtctt ttttttccat agagattggg atttgcatt ttggccaggc tggttttgaa 360
cttggtgggt gaagcaatcc gggtcagaca atttccaaa gccctgggat tacaggggtg 420
agccattgtg cctgggcctg ttttaaaaa atgagataat atatctgttg gatggatgcc 480
taaaagtggg attgcttggg caaagaaatg ttttttagt tggcctctat agagactgta 540
ccaattcaaa gaataggagt cttgtctgat gggatattgt taagaactgg tgggcctttg 600
ttaatatagg agaaaattgg tggcctttca gaatttaagt agtatttttg tagatacata 660
tttaagagtg attttttgtt gtgaactgtt tttttttgt cttttattct atttgattgt 720
ggtttatctc attgattgta ggagctcttc gccctcattt cattacgata tgacaaaaat 780
ttccttttca taggatatac ttgttttgg ttttttttc ccccatatgg tgtctttctt 840
tcttaaaaaa aaatcctcgt gccgaatgta tegtogaggg cagt 864

```

```

<210> 110
<211> 471
<212> DNA
<213> Homo sapien

```

```

<400> 110
ggtcacattgg tgagtgaag gtccattatgt ggtatatgac tatattttca ggcctgggttg 60
agggagaggt acacagggat ccttgggtta agaaatcttc atattctcat cttctcttaa 120
aagcraagag cctgttaga caattttcat agaaccagt gtctcagggt ccagaactct 180
gatactttta atactataat aatttattat atgcaaaaaa aaccttcatt taacttttag 240
caatttataa agcagtctca gcaattcctc ttttgttggg agctatatat aggggaatgcc 300
ttgtcaaaa ggaaaattac tgtgggtctc cagcataacc aaggcatttg atcactgtgt 360
tcagtagtga ttttagagtg atgtgtctg ataagggtgac tgattttta cttaagtct 420
tggttactat gataataaca gtaatatctt attattttta ctagatattg t 471

```

```

<210> 111
<211> 233
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> 96...121

```

<203> n= a, c, g or t

<400> 111

```

aatataggggg tgaatgaagaa agggcttggg aaatatattc ttactaagaa atttaagaga    60
atagaatggt cactgatgtg tttagagttga aggtggnnnn nnnnnnnnnn nnnnnnnnnn    120
ggaaagatat gttaaagtat gtaagggttg ttctataaat gtttatgttg agtatatctc    180
tattatctgt gttgggggta gaactaaatg tttaggggca ctttatcgag ttt                240

```

<210> 112

<211> 771

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (342)...(410)

<223> n= a, c, g or t

<400> 112

```

ttaaggtaat aaaagcatta tttagggataa ataaggtaat taggtaatga taaaaagaac    60
taagtaggaa gatagtaaca atttcaaac ttacttcagt tcataaaaata gcttaatttt    120
ttaaagcac aacttgacaa aactgtaaga acttttcaaa tgtacaacaa aggtggaaga    180
acttaatat ttctcaata attgatagat caggaagaca aaataaaaagt aagtaaataa    240
ttatctgaat agagttaaca agctacctaa tacaacata aataattatt cagcacattt    300
tagggagcat tgtctatgat ctagacaact ctctaataca tnnnnnnnnn nnnnnnnnnn    360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn taatagacaa    420
caataagtaa ctgataaata tatgatatgc taaatggtga aaaatgccat gaagaaaaat    480
aaagragatt aaaggaggta aggagatgca aaatggtagg gaggagggtt gctattttac    540
atattcagtg atcaggggatg ctttaactcat aagattatat ttgaggagag acctgaaaga    600
agtaaagggt gagcatgtg agaagaatgt cccagggcaga aggaacagca gttaaaaagt    660
cttgatgcaa gaatgtgctt ggctatttg agaaacagca agactagttt gcttgagta    720
gaagtaggaa cggggaaagt tgaagaagt gttaccaggg aacatgggga g                780

```

<210> 113

<211> 453

<212> DNA

<213> Homo sapien

<400> 113

```

tgtaaactga tcattcaaat acaatcctaa agatatatca gaagctttat tttaggtacaa    60

```



```

agtcataaaga acataaaattt ttttaatttat ttttaattagg ttttaaaagt aattgttttga 120
gataattttta ttttaatttctt gttacactga gtttttagtt atactaaagag aatgcagaag 160
aagttatagg aaaaggaattt ttcaatgaaa ctactattat ataattctga attagatggt 240
tataaaactt tatagattga tataaaatga gttgaaaatt attattttat aggaagcaga 320
attagatttt tgtcaactgt tttcagataa ttttttagt ctactgctgt tttttaattt 360
ttacaccttg ggcattggt tttttctttt aaggaattca tcaaatgcaa tgaaatttga 420
ataaaattga tcatagcaat aaataatttt taa 460

```

```

<210> 114
<211> 810
<212> DNA
<213> Homo sapien

```

```

<400> 114
caagaatcat aacataaagg gattcatggt tagaaaaaat ccataaaactt ccttctaaat 60
attgagacac tccaggcttc tttcagacaa ataacttcta attattctat atttttcaag 120
ttattaacca agataaagaa tttctcagtt agtggggaaa atgaaaatta ttaagaatag 180
aattgtcttc tgaattttaa aacaattttag actttaaaac atgaacgttt actcaggctg 240
gtgatactct agttgttagt ataccatact tgaagatata atcaagatca ctatagttgt 300
atattattct tttttttata tgtaaatggt aaattagttc aagtattttt gtttgtatcg 360
ttaactgac atcaaataca atcttaaaga tatatcagaa gctttatttt ggtacaaaagt 420
cataagaattt aaaaacttttt taaccattca cattaggtat caacagtaat tgtttgagat 480
acttttatat caattctggt acaactgagcc tttagtcata ctaagagaaat gcagaagaag 540
ttataggaaa atgaattcttc actgaaaata gtattatata atcttggaatt agatgtttta 600
aaaaacttat agcttgatat aaaatgagtt gaaaattatt atttaaatagg aagcagcatt 660
agatttttgt cactgttttt cagataatat ttctagtcta tgtatgctat ttaattttta 720
cactttggcc cattgtttat tttctttaag gaattcatca aatgcaatga aatttgaata 780
aaattigatca tagcaataaa taatttttaa 840

```

```

<210> 115
<211> 165
<212> DNA
<213> Homo sapien

```

```

<400> 115
ctctaaactct aggagtaaca gcgcctctta acatctgctc tttctatgtg ctttagagtt 60

```

ctcttaggtt attagctaat tctctatatt tctctatctc tatcaaaaa tagagttgat 111
 aattctttaa agtaaaatat ccttggttgat attgt 121

<210> 116
 <211> 161
 <212> DNA
 <213> Homo sapien

<400> 116
 ctctaaactct agggagtaaca ggcgtctcta acatctgctc tctctatgtg ctttagaggtt 60
 cctctgtgctt attagccaat tctctattac tcaaaacccc caccacccaa tagagttgat 120
 aactcttttac agtaaaactat ccttggttgat attgtaaaaag 160

<210> 117
 <211> 553
 <212> DNA
 <213> Homo sapien

<400> 117
 accacgtccg gccctctctc tcttaattta aatgttttct tcagcaaaac gtatcctagg 60
 agcattgctc atatggggcg gaatgtctct gctgcccatc gaggtgtctt gtagataccc 120
 ttgctctgct tcagtgcacg gtgaacatcg cagagatctg ccttggtgtct ccttgccccc 180
 ctgggtgcag gggagctctt gctgctctct ctggagctgg tgggggcctc actgccatcc 240
 ctggatccct tctggccttc agcctgtctg cctcagtgca ctgggaggag ggggtgcctt 300
 gtggttgtgt tgagccttca taggtgtctt ctgggtgggt tagaatgggg gttcttaata 360
 ccccccagta tgtggataga attcaggggt ctgtgaacat ggatgaggaa aaaataacat 420
 tattatttat tactaatga gtaaaaaat gtagtgtgac ctctgattat aaatgtagac 480
 aataaacctc acagcattag aaaggcctgt gactaccac ataacaaaca agcacattgt 540
 tgtccttgaa ccc 553

<210> 118
 <211> 593
 <212> DNA
 <213> Homo sapien

<400> 118
 accacgtccg gccctctctc tcttaattta aatgttttct tcagcaaaac gtatcctagg 60
 agcattgctc atagggggcg gaatgtctct gctgcccatc gaggtgtctt gtagataccc 120
 ctgctctgct tcagtgcacg gtgaacatcg cagagatctg ccttggtgtct ccttgccccc 180
 ctgggtgcag gggagctctt gctgctctct ctggagctgg tgggggcctc actgccatcc 240

```

ttggatcttt tccctgaggtg agctctgctg tctctagctg atggggagga gggggctggg 411
tggggttggg ttgagctttg atagggtgtg tttgggtggg ttagaatggg ggttcttaat 420
cccccttagt atgtggatag aattcagggg tctgtgaaa ttgatggagg aaaaataaca 421
ttactattta ttactaatgt agctaaaaa tctagtgtga ttcttgatta taaatgtaga 431
caataaacct caagacatta gaaaggcttg tgactacaa cataacaaa cagacatgt 440
agtccttgaa cccaaaaaaa aaaaaaaa aaagatctt taattaagg gtc 593

```

```

<210> 119
<211> 94
<212> DNA
<213> Homo sapien

```

```

<400> 119
ttaaatTTTT taaaaaaata aaaagaaaat ctgttgactt tatccccagt ggaaatcaca 60
ggtaatttcac atgaagttat agttactgct gata 94

```

```

<210> 120
<211> 82
<212> DNA
<213> Homo sapien

```

```

<400> 120
gaaaaaagct attctgcaac atgaaagtgc aaggtgctga tctagcagct gcagcaagtt 60
atcaagaata tctaaactaag at 82

```

```

<210> 121
<211> 431
<212> DNA
<213> Homo sapien

```

```

<400> 121
gcagtggttca ggacaggggg ataagctgag gccttagcaa tcaggagagg catcgtggag 60
gggggtggccc tgagcagttc caactgccc cagcccagag ggcacatcaa taccagtgat 120
aaaaagctac ttctctcttg ctctatgaga ggggtctggag tggactcaga tcccacccag 180
tcaccacccc aagctggcat catgggccc ggcacacccc aggtagctct cagcagtggc 240
ctctgggtctg tctctgctgg ataggatagg ataaggttgg taaaggaaaa ggaaggagg 300
aacctaggtaa caatcccata agcagggtao cagcgagctt atcacaacag aggcataagg 360
ctgtcatggg ggcattctgat tctgaattga cctgtttcta atgggttccg tgtttcttt 420
ctttccagc a 431

```

```

<210> 122

```

<211> 751
 <212> DNA
 <213> Homo sapien

<400> 122
 agacaaagaa aaagaatcag cctccctccc cctcattact cttagaatggg cgttggatct 60
 aattctccca cctagctagg agtgccttg ctttttattg cttagtttatt gatgaattt 120
 gccatttgta ggaatagtaa tagaattacc tatatatttg cggccttggt gaatgtagaa 180
 aaagpatagt ggaattttct aattgtgtaa cctataaaca ccttgacggg gaactacagt 240
 ccatatgttg gaccttttgt gtttgttcct ggtgtcggg ttgctttaat atacttagca 300
 cattgtccta attgccatcc ttctggggag ggcctatata ccaagcctat atggtagcat 360
 ttttgtttta acatagagct gacccaaggt agacgttaagt gttgttcatt ctgcctaat 420
 actaataaaaa ttacctaat gttgaagctt ggagcttgaa cctaggcatt ttatgtcatt 480
 tcaagtacac cctagtattt taaagcataa atactctact atctcaaca acttttagaa 540
 aaaaataaat attttaacaa gaaaaaagca tgcctatgaa agctgttaact taataaagaa 600
 agacaaggaa tgggtctctat agaccgagaa aaaataggtc ctcagatata tttatagcaa 660
 aggaagttta ggaagttaaa aaacagtggg ccccccccc cggccaaaaa ctcacaacct 720
 atatatctggg tatcacaagg tgttttagtg 750

<210> 123
 <211> 55
 <212> DNA
 <213> Homo sapien

<400> 123
 ctaatagcct gctgttgact gaaagcctta ctgatagcaa aaccagttag ttaac 55

<210> 124
 <211> 450
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (292)..(292)
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> (384)..(386)
 <223> n= a, c, g or t

<220>

<221> misc_feature
 <222> (364)..(364)
 <223> n= a, c, g or t

<221>
 <221> misc_feature
 <222> (396)..(396)
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> (398)..(398)
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> (405)..(405)
 <223> n= a, c, g or t

<400> 124
 taattatttg catgaaataa atcatcagtt gaaaacttact atattaaaaa acataaaaaat 60
 aagccctttt tttaacacaa ccagtgccctt gaaaaaactgg ctggccaaat tcaaaaatggc 120
 aaaaataata aaatgagtag ctaagcattt tatttgcaat tgtatctttg cattttatttt 180
 tagagcataa tagagaataa tatttatgga ttctctaaagg aaatgtttac ttctctttat 240
 ctggtaatta cggaaaacaaa ttgcctgggtc acatttgaaa taaatgaatc anatttgagt 300
 caatgtgtta tagataaata aagttacatg attgcaattt attcacagag tgttttttta 360
 aaaaatacat tgaagtgaat ggannnaatg taactnanti aaathntaaa aaatggagaa 420
 agattctcagc atgaagtgtt gaaggctttt 480

<210> 125
 <211> 398
 <212> DNA
 <213> Homo sapien

<400> 125
 gtctctctagc tccgggaact gagegttctt gacttgcttt ctctctttct tctcatttat 60
 gctattctctg gggtgtcatt actggcttac ccattatgta agctcttaagt gaaaaaatca 120
 gatgttatct tcatgagctc tgagggcact ctgtcatttg tcttcatttg acctctctga 180
 agctctggaga tgcacaggaa ggcagtttct actgcagatg agcagcatgg aggaggcttt 240
 tggaaagtga atgaattgtc caaggtccag aggtgaggag ctggggaccag gcttcacagg 300
 ctctctgtct gtgggtctgt ccgtctctgt gttctctgct tctccagggt gtgcctttta 360

gttccttctt aaatcaatag tttggagggt tgggtgtg

798

<211> 126
 <211> 658
 <212> DNA
 <213> Homo sapien

<400> 126
 gatcttatig ttgatgggaa atgacaccaa atgtcatitc aggaataaaat aacbatggga 60
 gttctaaaaa cttgggcacaa atatatgagt tggcgtgaga ctgggggttagc tccatccttt 120
 atccctgggag attggcaagt gacaaatcct gctccgggtc ctctgggcct tccctctatt 180
 gtgagggaagc gagagggggc ctcctgtctg tgtcccccag cctgtgtcac tgcctctctt 240
 ttcacccagc gtgttgtctt ctagctcccg gaactgagcg ttcttgcttc gctttctctc 300
 tttctctcca tttatgctat ttctggcgig tcatcaactg cttaccctatt atgtaagctt 360
 taagtgaaaa aatcagatgt tattttcatg agctctgagg gcacttctgc atttgttctc 420
 atttgactct tctgaagcct ggagatgcac aggaaggcag tttccactgc agatgagcag 480
 catgaggagc gcttttggaa gtgaaatgaa ttgtccaagg tccagagggt aggagctggg 540
 accaggectc acaggcttct gttatgttgt cctgt cctgt cctgggtctc tctctctctc 600
 aggtcgtgct ttctagtctc ttcctaaaca acaagtgttg gaggtcgggt g:ggtagc 658

<211> 127
 <211> 430
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (142)..(142)
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> (152)..(152)
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> (167)..(167)
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> (171)..(171)
 <223> n= a, c, g or t

```

<221>
<221> misc_feature
<222> 183..183
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 195..195
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 241..241
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 243..243
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 283..283
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 296..296
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> 315..315
<223> n= a, c, g or t

```

```

<400> 127
cagaaaatat ttggccagaa gaaataaagt atgatcttaa tagaatccag aagcgttaag 60
atagcaataa atgatgcctt taggcctgat ctccaagcca gtcataatgt ataacgtaag 120
atttgagccg gtgtcggtat cttcagacat gnaggaggaa gtgatttaac natgaacagt 180
tgnaaaagtg cagcngttag gacaacccaa attgtttttt caagagaaaa caatccacac 240
ninaaaaaaa aaattgggga ctttttcttt ttgtcttgga ttntgttttg ggcactttgg 300
ccacatagtg ttgtntgta aatataataa aactcattag ggcagtcctt cattaaaaaa 360
ggcatragct ctagaaaactt actatttaag cttaaaggac tacatatcca tgatagagtc 420

```

ttgatggctg 411

<210> 124
 <211> 112
 <212> DNA
 <213> Homo sapien

<400> 126
 tacaataaaa aaatgatcag ccagaagcta ggtggggctca aatgcccggg caaaaaagggg 60
 ttagtctctgc agcctctatac ttgatgttaa ctacagatg caactagcgg aaa 113

<210> 129
 <211> 689
 <212> DNA
 <213> Homo sapien

<400> 129
 cacaaactcta gaaggtgcct gtcacaccgt tttgtatgaa aggtgcctcc tagagtatag 60
 ctgtacagta gaactatttc tgatataaga agggataaag cacacttgac agatgatata 120
 aaaaigttaa agaaaagaa ggtctgtttt agaaggaagc tgtatgagat aataggccaa 180
 ggttaggggtg gtggtagtca tgggtggtaa aataggatca cttaatctag attacttaat 240
 tagtaagttg attccagggg ccagtgggaa ttgctgaaag tttcatctga atacatggaa 300
 tttttagcag tgattagggg aatgggtgtg gtatttatag ccattgaactt attacttgaa 360
 agcatcctag ggacccaagt cttaatcaag gggcagttct tccaagtagt ggttgaggaa 420
 gtgggtatg ctttccaaaa cttcttccct caclaaagat tgcagatata ctctgtaagt 480
 gaacttcacag aatataacta attgtcatat ctttaatttc atgtttcttc tgattatagg 540
 tcccacgtga ttataagttc tgagatcaag ggtcatcttc gtgggggtgt gtgtgtgac 600
 ttaaaaatttt tatgtgtctg taatagctat ctgtgtgata ttttaagaaat aggaatgtgt 660
 gccatatttt aaatacacct tatatgcaa 689

<210> 130
 <211> 1901
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1582)..(163)
 <223> n= a, c, g or t

<400> 130
 ttttttaaaa tgtttttacc ttgtttccat taatatccac atttaaggta accgttttca 60

atgattgaat caatgataat ggaacccatt gatatggagg g 1911

<210> 131
 <211> 436
 <212> DNA
 <213> Homo sapien

<400> 131
 gctcagagtaa ggcattcaat aatgtctttt cgcttcagat cctagctgta taacataggt 60
 aaatctcttta aattctcaga atttcaattt atttatatgt aaagtggagg gttctaacat 120
 attgttaggt attaacatgt atgttactta tgaatcagtc tgaataatctt gctaaaactgc 180
 atattctgag cttttctttaa tttttttttg tttttctgga aacgttgatt ctctaggtct 240
 tgggtggagt ccaggtatct gcaaattaaa taagcacttg aagtgatagt atctgagtggt 300
 ccgtaggcaa atgttaggag aactgaatca gatgttcttt gaaagatttt catggttctt 360
 aaatgttctg atttaaaatc cacaaagaaa aaaagcattg aaaatgaatc agcaaactag 420
 atgtaattaa agcttc 436

<210> 132
 <211> 498
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> 1434'..1434
 <223> n= a, c, g or t

<220>
 <221> misc_feature
 <222> 1488'..1488
 <223> n= a, c, g or t

<400> 132
 gaaaaaaaaagt ggaaacattt ttttaattca agatttaaaa aaaaattaca tttgtgatag 60
 gttagaaaaa atctgtcaca cactgttttt ggtagttgtg taagtttgta caacctacaa 120
 aaatgtaaat ctgacagtat acatcaagc tttatgatgg tgggcagctc atcgaggaat 180
 ctattctatg ttgtacaatt aaggcgtaat atgatattta ttgcagaaca gagagaaata 240
 gcatatacat tggtagttta tgattaaat aaagcatgat cctttcaaaa attgagtaat 300
 atgacattaa aaacacaaat ttcaaaatat atttaagaag atacaaataa ttctttatta 360
 ttacttttac tctcaggaat ggttttgagt gatgcaccc caggcatcaa gtgagtaato 420

caatattttaa gaattattaaa attttttttaa agtctccctt cttagaagaa ttgtgtcata 481
 ttttttttaa agaatgga 488

<210> 133
 <211> 422
 <212> DNA
 <213> Homo sapien

<400> 133
 tagaggagga aatcaggggt gcttaggaat gttacataat gtattctgat ttgagttaaa 60
 taaaaaaatc atttatttgt cttacattac atgaagaaa ctgggaagat gaaatggggc 120
 ttgagtgagt gggtaactgg atgaacgagt gattgagttg tcaactgttg gttaggggtc 180
 atgggtgaaca cgaagggagg catctgggga tatgccatat agctctgttc ttggccagca 240
 ttgttaaaag acatttttaa caatgacata aatcaggtca ttgggtggcac acttatcaaa 300
 tatataaatg tcccaaagct caggggggatg gtgaatgtaa gatgacagaa ttaacacttc 360
 ccaattatctt ccaaccaggo tagaatgaat atttagccaa agtccataaa ataacattca 420
 tt 422

<210> 134
 <211> 441
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (307)...(307)
 <223> n=a, c, g or t

<400> 134
 tagtacataa aactgaaatg gctcaaaaaa catgaaaaga tgcctcaactg tttattcttc 60
 agtctcattt ttgtctcatt ttttttctt ttgttttaata tagtaaaagt gaactccagtc 120
 ctatcattaa attttgattt tgaatttttg catcttttcc ataaaatttc tttctacagt 180
 gttttttaat tcaaatgtac ggtgtttcat cttctatttt tttctctgt agttttcttt 240
 attcggagtt attttaatga aggcaccaaag gttcttgggt aatctcattg ttggtgatat 300
 ttttttttaa cattttaatat aaaaattttc acacataggo aaattctgaa ttgttgcaat 360
 gaaatttttt atacctgcca cttagctatt accatgaata ttttagtata ttgtgtttat 420
 cacatatctg gtccatttat c 441

<210> 135
 <211> 499

<212> DNA
 <213> Homo sapien

<411> 135
 taggttcctt aatgatgcag ctctacagtt attcccaatt caaccaggag aagccatttt 60
 aaaaatacct gataaattaa aattcattaa tttaattcta ttaagtcctg ttagtcctat 120
 cctgtgccc attgctgaca caatacctaaa ttctacacagt tgcagtgcgc gccatgagtc 180
 aagaaaatgg ggtctaatcc cctctgccc attagctatcg aattattctg aaaaagaagt 240
 ggatgtactg atagatggaa agatcgaat gattttttta ggagagattt ccttgagctc 300
 atga aaaa aatcctctgtg guatagatat tctatccatg cctcctcaag cacagggtcc 360
 caaagtcacg gccagacagt aagccaagtg ctatagaaat ctgtggctat ggtacaatta 420
 gcaatacata ataaatttga gctcttagga tggctaaaga atttgagggg aaaaacttaa 480
 aaccacctct taaaagcaa 499

<210> 136
 <211> 701
 <212> DNA
 <213> Homo sapien

<400> 136
 cctcttgagg atttccatat aacgctagcc ttgatattct ggcccacacc atttgratga 60
 aagaagaatg attgtttctt actgagtaag agaactacag agaccaatgg attcaagtag 120
 tggacacagc ttaatatgta acccatacct gtaccaatgg gtattggctc tctagctcac 180
 ctttaggctg actagtatgc ctatgctgga tgttcaatcg cgggattaga cgggattgag 240
 ctttatctag tatctctatt agtcaactat agctataatc ttttagcccc tggatcatta 300
 tgaagtgccac caagaataag atacagtggc tcccaggac tggatatcat agctaaacaa 360
 ctcagatggc taaaatacta ctcttgctat ttatacctag tatttttggc ttgctttata 420
 atgggagtag tcaattctggg aatctgacct tctaaatgaa agacaacttt atgcttatat 480
 tatttctatc ctgcacaaaga tatgtaccaa aattgatttc tggggctctc gtgggattat 540
 acattttctc tggactttct ccccttttac tgaagaagtg atttttataa aagacaccaa 600
 tcaatttttc tttttctgtt agggaggatg gtggtgggtg ggtgtctctt gaaaggaggg 660
 tagaatga gatgaattgc actgaactag tgttaaagaa t 701

<210> 137
 <211> 274
 <212> DNA
 <213> Homo sapien

```

<400> 137
gtaaaaacct aaatgcccac taataggaat taaactggta aaataaatatt gtcatttttaa    60
taatcagata aaatgatata gatgaatatt caatgacacg agaagatatt tataaatatt    120
ttattataaa aactatttta attgggtaca ttatatgtcg ctatgacctc agagtagaga    180
gaagtgcacg ttccaacaca aactgaaaaa ttgtgaagat aatgggtggt atttctagga    240
ctgtaaaaat tcattttacc aaagaaaatc atag                                     274

```

```

<210> 138
<211> 352
<212> DNA
<213> Homo sapien

```

```

<400> 138
gtaaaaaacct aaatgcccac taataggaat taaactggta aaataaatatt gtcatttttaa    60
taatcagata aaatgatata gatgaatatt caatgacacg agaagatatt tataaatatt    120
ttattataaa aactatttta attgggtaca ttatatgtcg ctatgacctc agagtagaga    180
gaagtgcacg ttccaacaca aactgaaaaa ttgtgaagat aatgggtggt atttctagga    240
ctgtaaaaat tcattttacc aaagaaaatc atagtttttt ttttttttc tggagatgga    300
gtttcgctct tgttgcccag gctggagtac ctgggcgcg accacgctaa gc              352

```

```

<210> 139
<211> 647
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (319'..552'
<223> N= a, c, g or t

```

```

<400> 139
acagattcat ctgttatact cgtatagatt gaaactgata tactgttaag tcaacaataa    60
cgaaggggag gacattgcag aaaactatga gaaggatctc aattttgcac attatacatg    120
tatacacaca tatctacat ctattctctg tgagcatttg tttctgttaa tatgtagatt    180
aagttctagg cacagaaagt cctagaagta tctattaaca gttgggtttg agttaagtaa    240
ataaacttae ttctaandac atttttcatt gataigcgtt gggaattttt tataatttgc    300
gtgtgtgtgt ataacacann nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    480

```

```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 641
nnnnnnnnnn nnaaagaaag aaaaattaggt aataigat** ttatataaat atagaggtta 642
gagaaaaaggc tgggataata gaacacacctc ttgacagagc gggtagca 643

```

```

<210> 141
<211> 334
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (44)..(44)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (214)..(214)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (300)..(300)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (306)..(306)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (308)..(308)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (315)..(315)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (323)..(323)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (320)..(320)
<223> n= a, c, g or t

```

```

<410> 141
tggatagaa atgggttca ataggaag agtggtaa attttataa aagtataat 60
ttatgtgata atttatggtt attatggagt ttgggagagt tgattatata tggatgtrtt 120
tttatggaag tgttaataaa ttgtcaaaa atattttta ttaattagag gggatagaat 180
ttttatactt gctactcagg aattgggtca tctnataata tgaattacta taactttggt 240
ctctttttca tgaatagatt gagcactga cactttgttg tctaggtgat taagtgaagn 300
ttctangtta taatntggan acnagtcacc agtc 334

```

```

<210> 141
<211> 990
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (105'...(105')
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (116'...(117')
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (132'...(132')
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (143'...(143')
<223> n= a, c, g or t

```

```

<400> 141
ggcagatggg ggcattgagt ttgttttttg ggaactgatt tccagctgtt tggatatgag 60
gaaaacgcag tcaattctct acagcatttc ttgaagttaa tctcnagtaa taaganngca 120
gcagatgata anagtgttagt aanagcagca cagagttttt tccaaggatt ggaactgggg 180
gatatgcaag caatttcaat ggggcaaaaa ttctgggagt tgagcattga agagtacatt 240
ggggtttaca agagtctggg agtataatt gatgaataat caggagaatt attttatagt 300
gaaaatcttc aagaggtctt aaagtgtgtg gagagtaaag gacttctact gaaaacaata 360
aaaggaaagg ctgtagttaga tctctctggg aatggcgacc cctctctaat ttgtaactgta 420

```

```

atgggaagtg atgggacttt tcttatpca atcagagatt atgaggttg tatagataga 481
atgggaaagt ataatcttga taaaatga tctgggaaag ataaaggaca aaatctgtat 541
ttttaggaag ttttcaaat gttgaagatc atgggataag atggggcaga aggtgtcag 601
caagtgtctt ttggagtagt ataggggaatg aagactcga gagggagatg caattctctg 661
gaagatgttt caaatggagt caaattaagg atggtacaga acatgggttc aatcaagagt 721
gaattcagct tttctctatt aaagtcataa cttaagtgcg acctctatgt tattctggac 781
ttggggcagt gtgaattatt atgtctgtcc ctcaattgaa gtgtcactaa ctctgtcaaa 841
aataactctc actaatlaga gggtgcagaa tttctatact cgttactcag gaattggtaa 901
cttcaataat ctgaattact ataacottgg tctctcttct atgaacagct tgagccactg 961
acattctgtt gtctaggtga ttacgtgaag 990

```

```

<210> 142
<211> 195
<212> DNA
<213> Homo sapien

```

```

<400> 142
ccaaaaatctt atcattttta caagtacaac tactctatct ccttcagaat gtgcacttgc 60
ctctggcttg ctgtggatcc tgtattggac cactcagctg tagagtcttg tgggaatcaa 120
gttccaagga gacccatcat gcatgtttag ggcagttcc aggtgtctct gacatgacac 180
naaacctcca tttcc 195

```

```

<210> 143
<211> 57
<212> PRT
<213> Homo sapien

```

```
<400> 143
```

```
Met Asn Leu His Cys Ser Ser Met Thr Gly Pro Leu Ala Ser Lys Thr
1          5          10          15

```

```
Ser Gln Asp Leu Leu Ser Leu Gln Ser Lys Phe Leu Ser Leu Phe Asn
20          25          30

```

```
Gln Ile Phe Leu Arg Ser Gln Gln Gln Thr Val Thr Pro Tyr Tyr Thr
35          40          45

```

```
Leu Gly Ser Gln Met Lys Asn Leu Ile
50          55

```


<211> 144
 <211> 8
 <212> PRT
 <213> Homo sapien

<400> 144

Met Asp Leu His Cys Ser Ser Met Thr Gly Pro Leu Ala Ser Lys Thr
 1 5 10 15

Ser Glu Asp Leu Leu Ser Leu Glu Ser Lys Phe Leu Ser Leu Phe Asn
 20 25 30

Gln Ile Phe Leu Arg Ser Gln Glu Glu Thr Val Thr Pro Tyr Tyr Thr
 35 40 45

Leu Gly Ser Gln Met Cys Asn Leu Ile
 50 55

<210> 145
 <211> 45
 <212> PRT
 <213> Homo sapien

<400> 145

Met Arg Ser Ala Gly Ser Asp Phe Ser Leu Val Lys Trp Val Val Phe
 1 5 10 15

Lys Leu Cys Arg Trp Thr Gly Asp Ile Phe Pro Leu Leu Leu His Glu
 20 25 30

Glu Ile Cys Leu Asn Val Asp Arg Leu Glu Ile Phe Phe
 35 40 45

<210> 146
 <211> 30
 <212> PRT
 <213> Homo sapien

<400> 146

Met Ser His Arg Ala Arg Pro Arg Trp Cys Val Phe Ser Arg Asn Lys
 1 5 10 15

Tyr Ile Leu Leu His His Arg Ile Thr Leu Ile Lys Val Gly
 20 25 30

<210> 147
 <211> 55

<210> PRT
 711> Homo sapien

<411> 147

Gly Ala Val Leu Ala His Cys Asn Ser His Leu Pro Gly Ser Ser Asp
 1 5 10 15

Ser Pro Ala Ser Val Ser Ala Val Ala Gly Ile Asn Gly Ala Ala His
 20 25 30

His Thr Trp Leu Ile Phe Val Phe Leu Val Glu Thr Gly Phe His His
 35 40 45

Val Gly Gln Asp Gly Ile Glu Leu Leu Thr Ser Asp Leu Pro Ala Ser
 50 55 60

Ala Ser Gln Ser Ala Gly Ile Ile Gly Met Ser His Arg Ala Arg Pro
 65 70 75 80

Arg Trp Cys Val Phe
 85

<210> 148
 <211> 47
 <212> PRT
 <213> Homo sapien

<400> 148

Met Pro Lys Leu Leu Pro Gly Phe Gln Gly Asn Arg Ala Arg Trp Leu
 1 5 10 15

Asn Gln Arg Ser Asp Ser Gln Ala Ala Arg Glu Lys Val Phe Asn Pro
 20 25 30

Leu Ile Pro Val Cys Asn Arg Arg Asn Gln Gly Leu His Thr Leu
 35 40 45

<210> 149
 <211> 166
 <212> PRT
 <213> Homo sapien

<400> 149

Met Leu Val Gly Arg Lys Arg Arg Arg Glu Ser Ser Val Lys Glu Asn
 1 5 10 15

Thr Gly Met Glu Thr Leu His Arg Leu Arg Gln Lys His Pro Met Gly
 11 11 11

Lys Ser Arg Arg Thr Ile Ser Cys Leu Trp Arg Thr Gly Ser Arg Glu
 15 41 45

Gln Ser Thr Ser Pro Asp Thr Ser Leu Gly Ser Thr Thr Pro Ser Ser
 51 55 60

His Thr Leu Glu Leu Val Ala Leu Asp Ser Glu Val Leu Arg Asp Ser
 65 70 75 81

Leu Gln Cys Gln Asp His Leu Ser Pro Gly Val Ser Ser Leu Cys Asp
 85 90 95

Asp Asp Pro Gly Ser Asn Lys Pro Leu Ser Ser Asn Leu Arg Arg Leu
 100 105 110

Leu Glu Ala Gly Ser Leu Lys Leu Asp Ala Ala Ala Thr Ala Asn Gly
 115 120 125

Arg Val Glu Ser Pro Val Asn Val Gly Ser Lys Pro Leu Leu Phe Pro
 130 135 140

Ala Phe Pro Pro Arg Pro Ala Ala Gln Cys Ser Gly Gln Glu Val Gly
 145 150 155 160

Arg Glu Ala Gly Thr Glu
 165

<210> 150
 <211> 352
 <212> PRT
 <213> Homo sapien

<400> 150

Pro Arg Asp Val Ser Arg Gln Glu Glu Ala Glu Gly Glu Leu Ser Glu
 1 5 10 15

Gly Glu His Trp Tyr Gly Asn Ser Ser Glu Thr Pro Ser Glu Ala Ser
 20 25 30

Tyr Gly Glu Val Gln Glu Asn Tyr Lys Leu Ser Leu Glu Asp Arg Ile
 35 40 45

His Glu Gln Ser Thr Ser Phe Asp Thr Ser Leu Gly Ser Thr Thr Pro
 81 85 89

Ser Ser His Thr Leu Gln Leu Val Ala Leu Asp Ser Gln Val Leu Arg
 88 92 96

Asp Ser Leu Gln Cys Gln Asp His Leu Ser Pro Gly Val Ser Ser Leu
 88 92 96

Cys Asp Asp Asp Pro Gly Ser Asn Lys Pro Leu Ser Ser Asn Leu Arg
 100 104 110

Arg Leu Leu Glu Ala Gly Ser Leu Lys Leu Asp Ala Ala Ala Thr Ala
 115 120 125

Asn Gly Arg Val Glu Ser Pro Val Asn Val Gly Ser Asn Leu Ser Phe
 130 135 140

Ser Pro Pro Ser His His Ala Gln Gln Leu Ser Val Leu Ala Arg Lys
 145 150 155

Leu Ala Glu Lys Gln Glu Gln Asn Asp Gln Tyr Thr Pro Ser Asn Arg
 165 170 175

Phe Ile Trp Asn Gln Gly Lys Trp Leu Pro Asn Ser Thr Thr Thr Cys
 180 185 190

Ser Leu Ser Pro Asp Ser Ala Ile Leu Lys Leu Lys Ala Ala Ala Asn
 195 200 205

Ala Val Leu Gln Asp Lys Ser Leu Thr Arg Thr Glu Glu Thr Met Arg
 210 215 220

Phe Glu Ser Phe Ser Ser Pro Phe Ser Ser Gln Ser Ala Ser Ser Thr
 225 230 235 240

Leu Ala Ala Leu Ser Lys Lys Val Ser Gln Arg Ser Leu Thr Pro Gly
 245 250 255

Gln Glu His Pro Pro Pro Ala Ser Ser Phe Leu Ser Leu Ala Ser Met
 260 265 270

Thr Ser Ser Ala Ala Leu Leu Lys Gln Val Ala Ala Arg Ala Ala Gly
 275 280 285

Ser Leu Leu Ala Gln Lys Ser Ser Leu Leu Pro His Asp Phe Leu Phe
280 285 290

Pro Pro Pro Ser Gln Lys Lys Pro Gln Lys Val Thr Pro Pro Pro Pro
305 310 315 320

Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Gln Ser Leu Gln Leu
325 330 335

Leu Leu Leu Pro Val Pro Lys Gly Arg Val Ser Lys Pro Ser Asn Ser
340 345 350

<210> 151
<211> 67
<212> PRT
<213> Homo sapien

<400> 151

Met Gly Tyr Gln Trp Tyr Arg Leu Arg Val Asn Ser Ile Ser Gly Phe
1 5 10 15

His Gly Ser Leu Gln Gln His Leu Pro Val Ser Ser Ala Phe His Gln
20 25 30

Arg Trp Asp Leu Trp Ser Thr Gly Cys Leu Thr Pro Gly Ala Ile Gln
35 40 45

Lys Gly Glu Asp Leu Trp Lys Ala Phe Val Leu Ala Pro Val His Leu
50 55 60

Val Leu Asn
65

<210> 152
<211> 52
<212> PRT
<213> Homo sapien

<400> 152

Met Lys Glu Gly Val Leu Gly Ser Val Phe Arg Pro Lys Cys Pro Gln
1 5 10 15

Gly Pro Ser Gly Cys Leu Tyr Leu Leu Met Ser Pro His Thr Cys Trp
20 25 30

11n Ser Trp Asp Lys Ser Leu Thr Leu Tyr Val Thr Ser Asp Ser Phe
 35 40 45

Trp Lys Lys Glu
 51

<210> 153
 <211> 63
 <212> PRT
 <213> Homo sapien

<400> 153

Met Arg Thr Glu Ile Ser Trp Ser Val His Glu Glu Glu Trp Ile Gln
 1 5 10 15

Leu Leu Val Leu Ala Leu Cys Ser Leu Asn Ala Leu Tyr Phe Leu Leu
 20 25 30

Phe Tyr Leu Thr Ile Phe Phe Trp Phe Ala Phe Thr Val Asn Asn Ile
 35 40 45

Phe Ser Ser Phe Leu Ala Leu Ala Phe Leu Ala Asp Arg Lys Trp
 50 55 60

<210> 154
 <211> 98
 <212> PRT
 <213> Homo sapien

<400> 154

Met Lys Asn Gln Pro Leu Gly Gly Leu Leu Leu Leu Gly Gln Ile
 1 5 10 15

Phe Met Trp Pro Thr Arg Leu Cys Ala Ala Gln Leu Cys Leu Pro Ala
 20 25 30

Ser Leu Val Leu His Thr Val Leu Ser Ile Val Ser Val Ala Trp Pro
 35 40 45

Tyr Pro Ser Ser Cys Leu Pro Ile Leu Asn Tyr Ile Thr Cys Phe Leu
 50 55 60

Ala Ser Gly Pro Leu His Met Leu Phe Met Leu Leu Gly Val Phe Cys
 65 70 75 80

Ser Phe Leu His Pro Gln Pro Leu Pro Leu Asp Cys Thr Pro Gln Gly

81

21

Arg Ser

<210> 155

<211> 57

<212> PRT

<213> Homo sapien

<400> 155

Met	Val	Tyr	Thr	Phe	Ser	Cys	Phe	Phe	Ser	Ser	Phe	Leu	Glu	Ser	Gly
1				5					10					15	

Asp	Thr	His	Arg	Arg	Ile	Asn	Gly	Ser	Gly	Lys	Val	Pro	Gly	Leu	Met
			20					25					30		

His	Glu	Glu	Asp	Leu	Val	Arg	Leu	Glu	Thr	Cys	Leu	Ala	Ser	Gln	Gly
	35						40					45			

Ser	Ala	Val	Ser	Tyr	Pro	Cys	Ala	Lys
	50					55		

<210> 155

<211> 89

<212> PRT

<213> Homo sapien

<400> 155

Asp	Thr	Glu	Ser	Gly	Trp	Asp	Asp	Thr	Ala	Val	Val	Asn	Asp	Leu	Ser
1			5						10					15	

Ser	Thr	Ser	Ser	Gly	Thr	Glu	Ser	Gly	Pro	Gln	Ser	Pro	Leu	Thr	Pro
			20					25					30		

Asp	Gly	Lys	Arg	Asn	Pro	Lys	Gly	Ile	Lys	Lys	Ser	Trp	Gly	Lys	Ile
	35						40					45			

Arg	Arg	Thr	Gln	Ser	Gly	Asn	Phe	Tyr	Thr	Asp	Thr	Leu	Gly	Met	Ala
	50					55					60				

Glu	Phe	Arg	Arg	Gly	Gly	Leu	Arg	Ala	Thr	Ala	Gly	Pro	Gly	Leu	Ser
65				70						75					80

Arg	Thr	Arg	Asp	Phe	Lys	Gly	Gln	Lys
				85				

<211> 157
 <211> 51
 <212> PRT
 <213> Homo sapien

<401> 157

Met	Ser	His	Ser	Pro	Val	Leu	Pro	Ala	Pro	Gln	Ser	Ser	Val	Gly	Tyr
1			5						10					15	

Pro	Val	Arg	Pro	Ser	Pro	Cys	Thr	Pro	Phe	Phe	Ser	Leu	Ile	Glu	Ile
		20						25					30		

Pro	Ala	Thr	Cys	Cys	Leu	Leu	Pro	Cys	Arg	Ile	Thr	Asn	Ala	Cys	Pro
		35					40					45			

Val	Pro	Gly	Ile	Glu	Ala	Ala	Ile	Ala	Gly	Leu	Leu	Pro	Cys	Ser	Arg
		50				55					60				

His
 65

<210> 158
 <211> 51
 <212> PRT
 <213> Homo sapien

<400> 158

Met	Val	Ala	Arg	Ile	Lys	Ser	Glu	Lys	Pro	Gly	Asn	Ser	Lys	Leu	Leu
1				5					10					15	

Glu	Ile	Leu	Val	Ile	Leu	Thr	Arg	Arg	Val	Glu	Val	Lys	Val	Met	Lys
		20						25					30		

Cys	Gly	Lys	Phe	Trp	Lys	Pro	Phe	Glu	Ser	Lys	Ala	Glu	Ser	Ile	Cys
		35					40					45			

Cys Tyr Ile
 50

<210> 159
 <211> 116
 <212> PRT
 <213> Homo sapien

<220>

<221> MISC_FEATURE

<222> 33 ... 33
 <223> X=any amino acid

<400> 150

Met Ala Gly Leu Leu Asn Val Thr Phe Ile Tyr Leu Leu Leu Glu Cys
 1 5 10 15

Leu Ser Leu Tyr Thr His Val Thr Cys Ser Ser Leu Pro Ser Ser Leu
 20 25 30

Xaa Leu Tyr Ile Tyr Tyr Tyr His Arg Gly Leu Gly Lys Lys Thr Pro
 35 40 45

Thr Ala Ala Pro His Thr His Pro Pro Ala Leu Tyr His Leu Leu Gly
 50 55 60

Phe Val Phe Leu Cys Arg Ile His Asp Phe Leu Lys Tyr Asn Phe Phe
 65 70 75 80

Asn Val Tyr Ile Leu Tyr Ala Phe Ser His Ser Tyr Val Lys Ser Gly
 85 90 95

Arg His Arg Leu Val Phe Leu Phe Thr Val Asp Ala Ser Val Pro Lys
 100 105 110

Ile Cys Ile Ala
 115

<210> 160
 <211> 81
 <212> PRT
 <213> Homo sapien

<220>
 <221> MISC_FEATURE
 <222> (23)...31
 <223> X=any amino acid

<400> 160

Met Gln Asn His His Ile Pro His Cys Ile Ala Val Ala Ser Trp Pro
 1 5 10 15

Leu Ile Asn Cys Lys Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val
 20 25 30

Tyr Ile Cys Ile His Val Phe Ile Tyr Ala Tyr Val Met Tyr Met Pro
 15 4 41

Thr Tyr Leu Cys Thr Cys Asn Val Tyr Ala Tyr Ile Cys Ile Tyr Lys
 50 51 61

Gly Ile Gln Ile Cys Ile Tyr Leu Arg Lys Thr Ile Lys Asn Leu Cys
 65 70 75 80

Ser

<210> 161
 <211> 39
 <212> PRT
 <213> Homo sapien

<400> 161

Met His Thr Gln Val His Met Phe Thr Glu Ser Gln Val Gln Glu Arg
 1 5 10 15

Ser Lys Glu Pro Lys Leu Glu Ala Thr His Met Phe Ile Asn Ser Arg
 20 25 30

Asp Asp Lys Ile Tyr Leu Asp
 35

<210> 162
 <211> 40
 <212> PRT
 <213> Homo sapien

<400> 162

Met Phe Ala Ser Gly Pro Pro Cys His Val Lys Ser Thr Leu Tyr Ser
 1 5 10 15

Leu Phe Leu Glu Arg Thr Tyr Tyr Val Asn Leu Asp Phe His Met Val
 20 25 30

Ile Thr Leu Tyr Gln Ala Asn Ile
 35 40

<210> 163
 <211> 73
 <212> PRT
 <213> Homo sapien

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ser	Asn	Prt	Arg	Leu	Cys				
		35					40						45						

41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Leu	Leu	Val	Ala	Leu	Lys	Prt													
		50				55													

<210> 166
 <211> 48
 <212> PRT
 <213> Homo sapien

<400> 166

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Met	Cys	Ala	Lys	Val	Leu	Val	Leu	Ser	Arg	Lys	Asp	Thr	Asp	Glu	Cys				
				5					10					15					

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Tyr	Arg	Leu	Leu	Lys	Asn	Ile	Tyr	Leu	Asn	Lys	Tyr	Val	Lys	Tyr	Lys				
		20						25					30						

41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Gly	Ile	Gln	Tyr	Ser	Asn	Arg	Asn	Ile	Gln	Ile	Glu	Gly	Thr	Ser	Pro				
		35					40					45							

<210> 167
 <211> 95
 <212> PRT
 <213> Homo sapien

<400> 167

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Met	Cys	Leu	Phe	Cys	Ser	His	Ser	Val	Tyr	Lys	Pro	Leu	Tyr	Glu	Thr				
			5						10					15					

21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Gly	Ser	Ser	Gln	Leu	Phe	Phe	Tyr	Ser	Thr	Leu	Lys	Ile	Leu	Val	Ser				
			20					25					30						

41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Phe	Leu	Val	Ser	Thr	Val	Ala	Lys	Ala	Tyr	Cys	Gln	Phe	Asp	Tyr	His				
		35				40					45								

61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
Ser	Ile	Ile	Gln	Asn	Phe	Phe	Leu	Tyr	Leu	Tyr	Ser	Glu	Phe	Gln	Ile				
	50				55					60									

81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Phe	Ser	Leu	Ser	Leu	Ile	Ser	Tyr	Asp	Phe	Ile	Ile	Met	Tyr	Val	Val				
65					70				75					80					

101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Val	Asp	Leu	Ser	Ile	Leu	Cys	Tyr	Ile	Trp	Gln	His	Phe	Leu	Phe					
				85					90					95					

<210> 168
 <211> 80
 <212> PRT
 <213> Homo sapien

<400> 168

Met Asn Asn Arg Trp Met Leu Pro Pro Phe Ser Pro Arg Arg Asn Lys
 1 5 10 15

Gly Lys Gly Glu Gly Leu Gly Gly Trp Ile Ser Arg Gln Thr Gly Glu
 20 25 30

Cys Glu Gly Thr Ile Arg Arg Glu Val His Pro Glu Ile Arg Tyr Val
 35 40 45

Ser Pro Leu Arg Phe Pro Thr Ile Asp Ser Glu Leu Leu Glu Ser Val
 50 55 60

Ser Ser Ile Ser Asp Ala Val Gly Ser Ser Lys Ser Gly Lys Tyr Ser
 65 70 75 80

Cys Thr Phe Val Pro Glu Ser Ser Asn
 85

<210> 169
 <211> 42
 <212> PRT
 <213> Homo sapien

<400> 169

Met Glu Ser Ser Leu Glu Thr Cys Ala Ser Ser Asn Pro Leu Arg Leu
 1 5 10 15

Lys Lys Thr Ser Phe Leu Ser Gln Glu Thr Pro Gly Arg Leu Phe Ile
 20 25 30

Leu Pro Thr Thr Trp Pro Asn Ala His Asn
 35 40

<210> 170
 <211> 130
 <212> PRT
 <213> Homo sapien

<400> 170

Met Gly Arg Arg Thr Arg Thr Val Arg Val Ser Arg Leu Pro Pro Ala
1 5 10 15

Thr His Ser Cys Ser Ser Pro Pro Ile Tyr Ala Leu Ala Leu Pro Ala
20 25 30 35 40 45

Phe Trp Pro Ser Gly Ala Val Leu Val Pro Ala Leu Ala Gln Ala Cys
35 40 45

Phe Ser Ser Leu Pro Thr Asn Phe Leu Ser Ser Cys Gly Cys Ala Tyr
50 55 60

Leu Val Trp Val Trp Phe Trp Leu Leu Asn Glu Gln Arg Gln Asn Glu
65 70 75 80

Gly Ala Met Ser Thr Asp Glu Ala Phe Gly Lys Arg Pro Pro Ser Ile
85 90 95

Ala Leu Leu Glu Gly Ser Val Glu Ala Ala Val Phe Pro Gly Ala Gly
100 105 110

His Leu Asp Thr Val Pro Ala Cys Thr Gln Pro Pro Ser Thr Leu Leu
115 120 125

His Gln Pro Ala
130

<210> 171
<211> 121
<212> PRT
<213> Homo sapien

<400> 171

Met Val Ser Cys Asn Tyr Gly Tyr Val Arg Val Gln Arg Arg Glu Ser
1 5 10 15

Cys Val Gly Trp Ser Gly Leu Glu Arg Leu Gly Thr Glu Leu Gly Val
20 25 30

Glu Leu Gly Trp Pro Ala Ala Glu Gly Ala Glu Met Gly Trp Gly Gly
35 40 45

Pro Ser Ser Gln Pro Pro Gly Thr Phe Pro Glu Gly Pro Ala Val Gly
50 55 60

Leu Cys Thr Arg Gln Ile Ala Ser Leu Phe Arg Thr Pro Ser Leu Pro
 25 75 85

Ala Leu His Leu Pro Thr Gly Ala Leu Gln Gln Ala Arg Leu Gln Leu
 45 95

Arg His Val Gln Pro Gln Thr Phe Ala Pro Ala Ser Pro Pro Arg Leu
 105 110

Pro Arg Glu Leu Gly Lys Gly Leu Cys
 115 120

<210> 172
 <211> 107
 <212> PRT
 <213> Homo sapien

<400> 172

Met Val Leu Pro Gln Asp Phe Leu Ala Glu Pro Gly Ile Leu Leu Thr
 1 5 10 15

Leu Pro Ser His Gly Asn Met Ala Leu Ala Cys Trp Arg Leu Trp Ala
 20 25 30

Pro Phe Leu Ala Ala Val Leu Pro Gly Val Ala Lys Asp Ser Ser Tyr
 35 40 45

Pro Leu Pro Arg Ile Leu Val Ser Arg Leu Ser Leu Leu Val Thr Gly
 50 55 60

Ser Glu Trp Asn Thr Val Gln Val Arg Glu Gly Thr Asn Arg Pro Cys
 65 70 75 80

Phe Asn Ser Pro Cys Phe Pro Pro Val Pro Tyr Arg Pro Ser Leu Ser
 85 90 95

Pro Gly Val Ser Ile Gln Asn Ser Ala Tyr Leu
 100 105

<210> 173
 <211> 107
 <212> PRT
 <213> Homo sapien

<400> 173

Met Val Leu Pro Gln Asp Phe Leu Ala Glu Pro Gly Ile Leu Leu Thr

1 5 10 15
 Leu Pro Ser His Gly Asn Met Ala Leu Ala Cys Trp Arg Leu Trp Ala
 10 25 30
 Pro Phe Leu Ala Ala Val Leu Pro Gly Val Ala Lys Asp Ser Ser Tyr
 35 40 45
 Pro Leu Pro Arg Ile Leu Val Ser Arg Leu Ser Leu Leu Val Thr Gly
 50 55 60
 Ser Gln Trp Asn Thr Val Gln Val Arg Glu Gly Thr Asn Arg Pro Cys
 65 70 75 80
 Phe Asn Ser Pro Cys Phe Pro Pro Val Pro Tyr Arg Pro Ser Leu Ser
 85 90 95
 Pro Gly Val Ser Ile Glu Asn Ser Ala Tyr Leu
 100 105

<210> 174
 <211> 65
 <212> PRT
 <213> Homo sapien

<400> 174

Met Val Trp Trp Ser Leu Gly Leu Thr Leu Thr Arg Glu Arg Asn Ala
 1 5 10 15
 Asp Phe Ser Phe Thr Ile Pro Ser Gly Leu His Arg Tyr Pro Ser Lys
 20 25 30
 Val Arg Arg Asp Phe Cys Cys Tyr Leu Ser Ser Cys Phe Ser Ala Glu
 35 40 45
 Ala Leu Thr Lys Ile Gln Ile Asn Ile Ser Gln Met Gly Ile Val Leu
 50 55 60

Ile
 65

<210> 175
 <211> 65
 <212> PRT
 <213> Homo sapien

<400> 175

Met Val Trp Trp Ser Leu Gly Leu Thr Leu Thr Arg Gln Arg Asn Ala
1 5 10 15

Asp Phe Ser Phe Thr Ile Pro Ser Gly Leu His Arg Tyr Pro Ser Lys
20 25 30

Val Arg Arg Asp Phe Cys Cys Tyr Leu Ser Ser Cys Phe Ser Ala Gln
35 40 45

Ala Leu Thr Lys Ile Gln Ile Asn Ile Ser Gln Met Gly Ile Val Leu
50 55 60

Ile
65

<210> 176

<211> 92

<212> PRT

<213> Homo sapien

<400> 176

Met Tyr Lys Arg Lys Val Tyr Pro Val Ser Ser Pro Leu Met Val Thr
5 10 15

Leu Glu Thr His Val Leu Lys Thr Arg Ser Gly Pro Gly Thr Ala Pro
20 25 30

Asp Pro Ala Phe Pro Ser Tyr Thr Ala His Phe Cys Leu Ser Thr His
35 40 45

Gly Gly Cys His Ser Ala Glu Met Pro Ala Gly Leu Thr Ser Thr Pro
50 55 60

Phe Ile Asn Asn Ala Ala Pro Thr Ser Thr His Val Trp Ile Ser Thr
65 70 75 80

His Leu Ser Ser Phe Leu Arg Ile Asp Phe Lys Met
85 90

<210> 177

<211> 114

<212> PRT

<213> Homo sapien

<400> 177

Met Phe Ser Asn Tyr Tyr Cys Lys Lys Val Ile His Ala Tyr Gln Lys
1 5 11 11

Asn Leu Tyr Asn Thr Thr Met Tyr Lys Arg Lys Val Tyr Pro Val Ser
21 25 31

Ser Pro Leu Met Val Thr Leu Gln Thr His Val Leu Lys Thr Arg Ser
35 40 45

Gly Pro Gly Thr Ala Pro Asp Pro Thr Phe Pro Ser Tyr Thr Ala His
51 55 61

Phe Cys Leu Ser Thr His Gly Gly Cys His Ser Ala Glu Met Pro Ala
65 70 75 80

Gly Leu Thr Ser Thr Pro Phe Ile Asn Asn Ala Ala Pro Thr Ser Thr
85 90 95

His Val Trp Ile Ser Thr His Leu Ser Ser Phe Leu Arg Ile Asp Phe
100 105 110

Lys Met

<210> 178

<211> 47

<212> PRT

<213> Homo sapien

<400> 178

Met Glu Leu Pro Phe Cys Lys Gln Phe Ile Ser Asp Asp Ile Thr Thr
1 5 10 15

Phe Leu Tyr Val Ser Leu Tyr Ile His Leu Ile Val Leu Leu Lys Trp
21 25 30

Phe Leu Lys Cys Ile His Arg Tyr Phe Gly Tyr Leu Gly Arg Gly
35 40 45

<210> 179

<211> 43

<212> PRT

<213> Homo sapien

<400> 179

Met Asn Leu Leu Ile Leu Ser Leu Asn Asn Tyr Pr Lys Asn Gln Phe
 1 10 15

Val Phe Leu Val Ile Ala Gly Asn Arg Gly Leu Cys Leu Ile Asn Gln
 2 25 30

Lys Gly Ser Ser Leu Gly Ala Val Ile Tyr
 35 40

<210> 180
 <211> 24
 <212> PRT
 <213> Homo sapien

<400> 180

Met Lys Arg Val Leu Ser Tyr Asp Leu Asn Leu Thr Ala Glu Lys Ser
 1 5 10 15

Ser Ile Phe Gln Leu Ser Ala Val
 20

<210> 181
 <211> 69
 <212> PRT
 <213> Homo sapien

<400> 181

Met Ser Leu Ser Val His Gln Glu Gln Cys Thr Ala Gln Arg Asp Pro
 1 5 10 15

Gly Gln Leu Glu Gly Arg Gly Phe Ala Gln Val Pro Glu Pro Asp Gly
 20 25 30

Thr Leu Trp Cys Leu Gly Arg Asn Leu Asp Phe Gly Leu Arg Gly Ser
 35 40 45

Arg His Val Gln Trp Gln Gln Phe Gly Gln Gly Gly Asp Glu Leu Ser
 50 55 60

Cys Phe Leu Leu Arg
 65

<210> 182
 <211> 20
 <212> PRT
 <213> Homo sapien

<210> 182

Met Lys Gln Glu Ser Val Leu Gln Ser Leu Tyr Thr Ile Cys Thr Val
1 5 10 15

Gly Ile Phe Lys
20

<210> 183

<211> 136

<212> PRT

<213> Homo sapien

<400> 183

Asn Glu Tyr Lys Ala Glu Ile Ala Glu Val Glu Arg Gln Ile Leu Gln
1 5 10 15

Gly Glu Gln Ser Tyr Ser Ser Ala Leu Glu Gly Met Lys Met Glu Ile
20 25 30

Ser His Leu Thr Gln Glu Leu His Gln Arg Asp Ile Thr Ile Ala Ser
35 40 45

Thr Lys Gly Ser Ser Ser Asp Met Glu Lys Arg Leu Arg Ala Glu Met
50 55 60

Gln Lys Ala Glu Asp Lys Ala Val Glu His Lys Glu Ile Leu Asp Gln
65 70 75 80

Leu Glu Ser Leu Lys Leu Glu Asn Arg His Leu Ser Glu Met Val Met
85 90 95

Lys Leu Glu Leu Gly Leu His Glu Arg Trp Gly Phe Thr Met Leu Ser
100 105 110

Ser Leu Val Leu Asn Phe Gly Ile Gln Ala Ile Arg Gln Pro Gln Arg
115 120 125

Pro Lys Val Leu Glu Leu Gln Val
130 135

<210> 184

<211> 47

<212> PRT

<213> Homo sapien

<220>

<221> MISC_FEATURE
 <222> 8 11 8
 <223> X-any amino acid

<411> 184

Met Lys Asn Trp Arg Phe Ser Xaa Arg Gly Gln Arg Lys Trp Asp Ile
 1 5 10 15

Lys Asn Asn Trp Lys Lys Ile Ala Glu Ile Val Leu Lys Leu Thr Asn
 20 25 30

His Thr Lys Pro Gln Asn Pro Gln Ala Leu Gly His Gln Ala Gly
 35 40 45

<210> 185
 <211> 30
 <212> PRT
 <213> Homo sapien

<400> 185

Met Tyr His Phe Tyr Asn Lys Glu Phe Ile Asn Arg Asn Lys His Ile
 1 5 10 15

Leu Leu Leu Ala Ser Ala Ala His Ile Leu Glu Ile Ser Thr
 20 25 30

<210> 186
 <211> 86
 <212> PRT
 <213> Homo sapien

<400> 186

Ala His Cys Ser Phe Lys Leu Gln Ser Ala Ser Asn Leu Pro Thr Ser
 1 5 10 15

Ala Ser Gln Val Ala Gly Thr Thr Gly Arg Arg His Gln Ala Arg Pro
 20 25 30

Ile Phe Val Phe Phe Val Glu Thr Arg Phe Arg His Ile Ala Gln Ala
 35 40 45

Gly Leu Gln Leu Leu Ser Ser Ser Asp Pro Thr Thr Ser Ser Ser Gln
 50 55 60

Ser Ala Gly Ile Ile Gly Val Thr Ala Ala Ala Gly Ser Gln Ala Val
 65 70 75 80

Leu Phe Cys Ile Ile Arg
 51

<210> 187
 <211> 40
 <212> PRT
 <213> Homo sapien

<400> 187

Met Phe Ser Lys Pro Gly Tyr Ser Gln Ser Leu Trp Leu Leu Leu Met
 1 5 10 15

Ser Phe Ala Gly Glu Ser His Glu Thr Val Leu Ile Cys Ala Tyr Ser
 20 25 30

Pro Gln Cys Tyr Leu Ser Ala Leu
 35 40

<210> 188
 <211> 59
 <212> PRT
 <213> Homo sapien

<400> 188

Met Arg Ile Ile Ser Thr Phe Cys Ser Tyr Gly Lys Asp Leu Lys Ala
 1 5 10 15

Asp Ala Cys Ala Arg Asp Met Val Asp Thr Thr Tyr Ile Ala Val Met
 20 25 30

Ile Leu Leu Tyr Tyr Ser Val Leu Tyr Leu Leu Leu His Thr Leu Pro
 35 40 45

Leu Pro Ile Met Thr Lys Ile Ile Thr Ala Tyr
 50 55

<210> 189
 <211> 39
 <212> PRT
 <213> Homo sapien

<220>
 <221> MISC_FEATURE
 <222> 81..187
 <223> X=any amino acid

<221>
 <221> MISS_FEATURE
 <222> 34 11 34
 <223> Many amino acids

<400> 189

Met Arg Pro Phe Pro Val Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val
 1 5 10 15

Phe Thr Ser Gly Glu Ala Ala Val Leu Leu Cys Leu Phe Leu Leu Cys
 20 25 30

Trp Xaa Val
 35

<210> 190
 <211> 46
 <212> PRT
 <213> Homo sapien

<400> 190

Met Val Leu Lys Val Asn Ser Arg Met Val Ala Trp Val Phe Lys Val
 1 5 10 15

Trp Phe Leu Leu Asn Ala Ser Gly Phe Leu Thr Asn Ile Lys Ser Lys
 20 25 30

Lys Lys Lys Lys Asn Leu Leu Val Ala Ile Arg Arg Leu Gln
 35 40 45

<210> 191
 <211> 96
 <212> PRT
 <213> Homo sapien

<400> 191

Met Ser Ser Pro Gln Phe Ser Leu Arg Val Phe Ala Phe Ser Leu Leu
 1 5 10 15

Thr Ser Thr Pro Leu Met Ser Leu Pro Ile Ala Pro Asn Ser Gly Ser
 20 25 30

Gln His Trp Tyr Ile Gln Val Trp Gln Arg Ala Ser Ser Thr Pro Gly
 35 40 45

Met Ala Ser Pro Lys Gln Gln Glu Glu Val Gly Glu Val Leu Phe Pro

41 43 45
 Ser Thr Ala Val Ala Leu Trp Trp Lys Val Arg Phe Pro Asn Gln Leu
 46 50 54 58

Arg Arg Val Gln Gln Ala Thr Arg Gln Val Asn Pro Phe Thr Ser Gly
 63 67 71

<210> 192
 <211> 54
 <212> PRT
 <213> Homo sapien

 <220>
 <221> MISC_FEATURE
 <222> (24)...(24)
 <223> X=any amino acid

<400> 192

Met Leu Phe Met Trp Lys Val Lys Phe Cys Phe Ile Met Glu Phe Cys
 1 5 10 15

Phe Leu Tyr Asn Ser Phe Arg Xaa Ser Tyr Phe Ala Thr Ile Leu Tyr
 20 25 30

Lys Ala Leu Arg Gln Val Met Val Ile Ile Leu Met Gln Asn His Leu
 35 40 45

Gly Ser Gln Ser Leu Ala
 50

<210> 193
 <211> 57
 <212> PRT
 <213> Homo sapien

<400> 193

Met Tyr Pro Leu Val His Gly Arg Pro Ser Ser Ile Ser Arg Gly Gln
 1 5 10 15

Val His Leu Val Arg Ala Gln Lys Leu His Ser Gln Thr Asn Glu Ser
 20 25 30

Ser Gln Asn Ile Phe Leu Arg Leu Trp Val Tyr Leu Tyr Arg Asn His
 35 40 45

Trp Met Leu Leu Ser Leu Phe Ser Leu
1 55

<211> 194
<211> 97
<212> PRT
<213> Homo sapien

<400> 194

Met Tyr Pro Leu Val His Gly Arg Pro Ser Ser Ile Ser Arg Gly Gln
1 5 10 15

Val His Leu Val Arg Ala Gln Lys Leu His Ser Gln Thr Asn Glu Ser
20 25 30

Ser Gln Asn Ile Phe Leu Arg Leu Trp Val Tyr Leu Tyr Arg Asn His
35 40 45

Trp Met Leu Leu Ser Leu Phe Ser Phe
50 55

<210> 195
<211> 91
<212> PRT
<213> Homo sapien

<400> 195

Met Gly Lys Glu Ala Ile Leu Ile Gly Pro Arg Glu His Val Gly Leu
1 5 10 15

Cys Leu Val Leu Val Thr Gly Ile Leu Tyr Thr Phe Ile Val Gly Glu
20 25 30

Lys Ala Ala Ile Thr Ser Ala Met Lys Val Leu Leu Ile His Gly Leu
35 40 45

Asn Ile Ile Gln Met Leu Leu Val Leu Cys Arg Ala Asp Ser Ser Arg
50 55 60

Thr Lys Glu Trp Gln Ser Asp Glu Leu Arg His Ile Arg Asp Pro Thr
65 70 75 80

Val Gln Met Met Thr Gln Asn Leu Phe Leu Leu
85 90

<210> 196

<211> 196
 <212> PRT
 <213> Homo sapien

<411> 196

Met Arg Thr Ala Glu Glu Cys Ile Glu Arg His Glu His Leu Ala Ala
 1 5 10 15

Leu Glu Ser Gly Pro His Lys Phe Gly Gly Ile Glu Ala Leu Pro Lys
 20 25 30

Arg Ala Gly Gly Cys Ser Phe Leu Leu His Phe Leu Ser Glu Arg Pro
 35 40 45

Arg Glu Leu Ser Pro Glu Thr Lys Gly Lys Gly Arg Leu Glu Ser Ser
 50 55 60

Leu Tyr Leu Ala Leu Asn Ala Ser Ser Leu Cys Gly Pro Ala Arg
 65 70 75

<211> 197
 <212> 40
 <213> PRT
 <213> Homo sapien

<411> 197

Met Thr Asp Ile Glu Trp Asp Cys Ser Arg Glu Met Gly Met Asn Gly
 1 5 10 15

His Pro Thr Cys Lys Asp Thr Met Gly Ser Ala Asp Glu Met Gly Pro
 20 25 30

Val Thr Glu Lys Leu Leu Pro Pro
 35 40

<211> 198
 <212> 40
 <213> PRT
 <213> Homo sapien

<411> 198

Met Thr Asp Ile Glu Trp Asp Cys Ser Arg Glu Met Gly Met Asn Gly
 1 5 10 15

His Pro Thr Cys Lys Asp Thr Met Gly Ser Ala Asp Glu Met Gly Pro
 20 25 30

Val Thr Glu Lys Leu Leu Pro Pro
 15 40

<210> 199
 <211> 76
 <212> PRT
 <213> Homo sapien

<400> 199

Met Thr Leu Leu Leu Arg Arg Pro Glu Leu Trp Cys Cys Gly Met Thr
 1 5 10 15

Val Cys Leu Leu Thr Ser Ala Ser Ser His Ser Pro Pro Arg Ser Pro
 20 25 30

Cys Pro Thr Pro Gly Val Ser Arg Gly Arg Gln Val Thr Thr Met Leu
 35 40 45

Arg Val Ser Asp Gly Pro Glu Ala Gly Leu Thr Gln Leu Tyr Pro Lys
 50 55 60

Ala Glu Ser Gly Ser Pro Arg Leu Ser Ala His Gly
 65 70 75

<210> 200
 <211> 78
 <212> PRT
 <213> Homo sapien

<400> 200

Met Cys Asp Leu Cys Asp Arg Leu Glu Ser Cys Gly Lys Pro Val Leu
 1 5 10 15

Val Arg Glu Ser Leu Gly Pro Phe Pro His Arg Ala Leu Phe Ser Lys
 20 25 30

Ser His Ser Trp Val Thr Asn Val Asp Ala Gly Pro Met Pro Cys Pro
 35 40 45

Gly Gly Leu Ala Pro Gly Ser Pro Glu Asn Thr Ser Gly Arg Trp Glu
 50 55 60

Val Trp Trp Gly Ser Leu Ala Arg Val Asp Met Gly Gln Arg
 65 70 75

<211> 211
 <211> 211
 <211> 211
 <211> 211

<411> 211

Asp Ile Asn Asn Ala Trp Gly Cys Leu Glu Gln Val Glu Lys Gly Tyr
 1 5 10 15

Glu Glu Trp Leu Leu Asn Glu Ile Arg Arg Leu Glu Arg Leu Asp His
 20 25 30

Leu Ala Glu Lys Phe Arg Gln Lys Ala Ser Ile His Glu Ala Trp Thr
 35 40 45

Asp Gly Lys Glu Ala Met Leu Lys His Arg Asp Tyr Glu Thr Ala Thr
 50 55 60

Leu Ser Asp Ile Lys Ala Leu Ile Arg Lys His Glu Ala Phe Glu Ser
 65 70 75 80

Asp Leu Pro Glu His Gln Asp Arg Ala Glu Gln Ile Ala Ala Ile Ala
 85 90 95

Gln Glu Leu Asn Glu Leu Asp Tyr Tyr Asp Ser His Asn Val Asn Thr
 100 105 110

Arg Cys Gln Lys Ile Cys Asp Gln Trp Asp Ala Leu Gly Ser Leu Thr
 115 120 125

His Ser Arg Arg Glu Ala Leu Glu Lys Thr Glu Lys Gln Leu Glu Ala
 130 135 140

Ile Asp Gln Leu His Leu Glu Tyr Ala Lys Arg Ala Ala Pro Phe Asn
 145 150 155 160

Asn Trp Met Glu Ser Ala Met Glu Asp Leu Gln Asp Met Phe Ile Val
 165 170 175

His Thr Ile Glu Glu Ile Glu Gly Leu Ile Ser Ala His Asp Gln Phe
 180 185 190

Lys Ser Thr Leu Pro Asp Ala Asp Arg Glu Arg Glu Ala Ile Leu Ala
 195 200 205

Ile His Lys Glu Ala Gln Arg Ile Ala Gln Ser Asn His Ile Lys Leu
 211 215 220

Ser Gly Ser Asn Pro Tyr Thr Thr Val Thr Pro Gln Ile Ile Asn Ser
 221 230 235 240

Lys Trp Glu Lys Val Gln Gln Leu Val Pro Lys Arg Asp His Ala Leu
 245 250 255

Leu Glu Glu Gln Ser Lys Gln Gln Ser Asn Glu His Leu Arg Arg Gln
 260 265 270

Phe Ala Ser Gln Ala Asn Val Val Gly Pro Trp Ile Gln Thr Lys Met
 275 280 285

Glu Glu Ile Gly Arg Ile Ser Ile Glu Met Asn Gly Thr Leu Glu Asp
 290 295 300

Gln Leu Ser His Leu Lys Gln Tyr Glu Arg Ser Ile Val Asp Tyr Lys
 305 310 315 320

Pro Asn Leu Asp Leu Leu Glu Gln Gln His Gln Leu Ile Gln Glu Ala
 325 330 335

Leu Ile Phe Asp Asn Lys His Thr Asn Tyr Thr Met Glu His Ile Arg
 340 345 350

Val Gly Trp Glu Gln Leu Leu Thr Thr Ile Ala Arg Thr Ile Asn Glu
 355 360 365

Val Glu Asn Gln Ile Leu Thr Arg Asp Ala Lys Gly Ile Ser Gln Gln
 370 375 380

Gln Met Gln Glu Phe Arg Ala Ser Phe Asn His Phe Asp Lys Lys Gln
 385 390 395 400

Thr Gly Ser Met Asp Ser Asp Asp Phe Arg Ala Leu Leu Ile Ser Thr
 405 410 415

Gly Tyr Ser Leu Gly Gln Ala Gln Phe Asn Arg Ile Met Ser Leu Val
 420 425 430

Asp Pro Asn His Ser Gly Leu Val Thr Phe Gln Ala Phe Ile Asp Phe
 435 440 445

Met Ser Arg Glu Thr Thr Asp Thr Asp Thr Ala Asp Glu Val Ile Ala
481 481 481

Ser Phe Lys Val Leu Ala Gly Asp Lys Asn Phe Ile Thr Ala Glu Glu
484 484 484

Leu Arg Arg Glu Leu Pro Pro Asp Glu Ala Glu Tyr Cys Ile Ala Arg
486 486 486

Met Ala Pro Tyr Glu Gly Pro Asp Ala Val Pro Gly Ala Leu Asp Tyr
500 500 510

Lys Ser Phe Ser Thr Ala Leu Tyr Gly Glu Ser Asp Leu
515 520 525

<210> 202
<211> 83
<212> PRT
<213> Homo sapien

<400> 202

Met Trp Pro Gly Val Gly Glu Lys Asn Leu His Lys Asp Arg Ile Leu
1 5 10 15

Phe Ser Glu Ala Lys Asn Ser Arg Gly Ala Thr Ile Arg Phe Phe Ser
20 25 30

Ala Val Glu Leu Glu Glu Met Leu Gly Ile Ser Tyr Asn Ser His Leu
35 40 45

Ser Lys Thr Tyr Pro Gly Arg Cys Ser Ala Phe Ser His Leu Gly Ala
50 55 60

Glu Glu Pro Tyr Ile Ala Val Tyr Ile Leu Thr Tyr Phe Pro Asp Phe
65 70 75 80

Leu Gly Gly

<210> 203
<211> 83
<212> PRT
<213> Homo sapien

<400> 203

Met Trp Pro Gly Val Gly Gln Lys Asn Leu His Lys Asp Arg Ile Leu
1 5 10 15

Phe Ser Gln Ala Lys Asn Ser Arg Gly Ala Thr Ile Arg Phe Phe Ser
20 25 30

Ala Val Gln Leu Gln Gln Met Leu Gly Ile Ser Tyr Asn Ser His Leu
35 40 45

Ser Lys Thr Tyr Pro Gly Arg Cys Ser Ala Phe Ser His Leu Gly Ala
50 55 60

Gln Gln Pro Tyr Ile Ala Val Tyr Ile Leu Thr Tyr Phe Pro Asp Phe
65 70 75 80

Leu Gly Gly

<210> 204
<211> 62
<212> PRT
<213> Homo sapien

<400> 204

Met Ser Leu Ser Val Leu Asp Ser Val Ala Gln Thr Arg Pro Phe Val
1 5 10 15

Cys Leu Phe Ser Phe Ser Ser Phe Val Asp Tyr Lys Phe Ser Leu Tyr
20 25 30

Ser Asn Lys Arg Phe Ser Phe Gln Asn Leu Arg Gln Cys Ser Ser Leu
35 40 45

Lys Met Ile Leu Pro His Arg Trp Ser Arg Ala Ser Gln Trp
50 55 60

<210> 205
<211> 36
<212> PRT
<213> Homo sapien

<400> 205

Met Cys Gln Asn Ile Asp Thr Val Pro Gln Gln Ala Ser Lys His Asn
1 5 10 15

Lys Cys Tyr Phe Arg His Lys Leu Gln Asp Ser Leu Thr Ile Pro Ala

21 23 24
 Cys Leu Ile Gly
 38
 <210> 216
 <211> 78
 <212> PRT
 <213> Homo sapien
 <400> 206
 Met Ser Ser Asn Leu Cys Ser Trp Lys Pro Ser Tyr Gly Arg Val Phe
 1 5 10 15
 Pro Pro Ser Ser Ser Ala Phe Tyr Gln Arg Pro Tyr Ser Pro Pro Leu
 20 25 30
 Leu Gln Phe Gln Thr Ser Phe Leu Phe His Gln Lys His Ser Pro Ser
 35 40 45
 Ser Leu Val Ser Tyr Ser Phe His Thr Gln Lys Gln Asn Ile Phe Lys
 50 55 60
 Thr Phe Pro Lys Lys Gln Gln Lys Gly Asn Ser Lys Val His
 65 70 75
 <210> 207
 <211> 78
 <212> PRT
 <213> Homo sapien
 <400> 207
 Met Ser Ser Asn Leu Cys Ser Trp Lys Pro Ser Tyr Gly Arg Val Phe
 1 5 10 15
 Pro Pro Ser Ser Ser Ala Phe Tyr Gln Arg Pro Tyr Ser Pro Pro Leu
 20 25 30
 Leu Gln Phe Gln Thr Ser Phe Leu Phe His Gln Lys His Ser Pro Ser
 35 40 45
 Ser Leu Val Ser Tyr Ser Phe His Thr Gln Lys Gln Asn Ile Phe Lys
 50 55 60
 Thr Phe Pro Lys Lys Gln Gln Lys Gly Asn Ser Lys Val His
 65 70 75

<211> 218
 <211> 18
 <212> PRT
 <213> Homo sapien

<411> 218

Met Phe Ile Glu Leu Phe Trp Leu Ile Ile Ser Thr Asp Cys Leu
 1 5 10 15

<210> 209
 <211> 47
 <212> PRT
 <213> Homo sapien

<400> 209

Met Glu Arg His Thr Gln Ala Leu Cys Gly Arg Val Leu Ser Gly His
 1 5 10 15

Ser Glu Phe Arg Pro Gly Leu Trp Thr Asn Pro Asn Phe Ala Ser Ala
 20 25 30

Phe Val Ser Leu Val Lys Pro Val Phe Val Phe Ser Leu Leu Phe
 35 40 45

<210> 210
 <211> 77
 <212> PRT
 <213> Homo sapien

<400> 210

Met Ser Ser Leu Leu Leu Lys Glu Thr Phe Lys Gln Phe Ser Ser Leu
 1 5 10 15

His Cys His Leu Ala His Thr Ser Arg Ala Ala Gln His Leu Gln Gly
 20 25 30

Leu Ser Phe Trp Ala Val Leu Arg Asp Ala Ala Gly Gly Ser Leu Ala
 35 40 45

Phe Leu Gly Leu Leu Ser Gln Phe Pro Pro Val Leu Leu Ser Gly Cys
 50 55 60

Pro Ala Phe Gly Cys Trp Ile Leu Gln Val Pro Gln Arg
 65 70 75

<211> 211
 <211> 7a
 <212> PRT
 <213> Homo sapien

<411> 211

Met Gly Gln Pro Gly His Gln Lys Gln Leu Pro Ser Asp Ser Asn Ile
 1 5 11 18

Ser Leu Tyr Leu Phe Lys Val Cys Met Cys Gln Thr Val Pro Ser Thr
 20 25 30

Leu Tyr Thr Leu Ala Tyr Pro Val Leu Thr Asn Ile Ser Gln Met Gly
 35 40 45

Ile Thr Val Gln Phe Pro Asp Ile Val Ser Lys Ala Lys Pro Lys Pro
 50 55 60

Val Cys Thr Arg Ala Cys Ala Leu His Thr Asp Trp Leu Ile
 65 70 75

<210> 212
 <211> 61
 <212> PRT
 <213> Homo sapien

<400> 212

Met Ser Arg Leu Pro His Thr Pro Ala Leu Ser Phe Pro Ser Gln Gly
 1 5 10 15

Asn Gly Ser Arg His Thr Pro His Leu Gly Gly Gln Ala Glu Phe Leu
 20 25 30

Ala Gln Gly Arg His Ser Glu Ser Val Gln Arg Lys Asn Asp Val Ala
 35 40 45

Arg Thr Leu Leu Gln Val Ser Ile Gly Asn His Lys Pro
 50 55 60

<210> 213
 <211> 79
 <212> PRT
 <213> Homo sapien

<400> 213

Met Lys Val Pro Gln Ser Pro Val Leu Gln Leu Leu Ala Gln Asp Leu
 1 5 10 15

Ser Ser Arg Glu Lys Arg Ile Asn Thr Thr Pro Lys Gly Glu Lys Leu
21 28 31

Leu Leu Ser Ser Ser Gly Asp Leu Ala His Gly Gly Pro Asn Gly Gly
35 41 48

Pro Ser Leu Ile Ser Asn Ser Pro Ala Asn Ser Pro Leu Asp Thr Arg
50 55 60

Ala Gly Lys Thr Leu Pro Gln Gly Gln Glu Gly Met Phe Val Ser
65 70 75

<210> 214

<211> 40

<212> PRT

<213> Homo sapien

<400> 214

Met Arg Asp Gly Pro Pro Phe Gly Pro Pro Trp Ala Lys Ser Pro Glu
1 5 10 15

Leu Glu Ser Ser Asn Phe Ser Pro Leu Gly Val Val Leu Ile Leu Phe
20 25 30

Ser Leu Glu Leu Lys Val Leu Gly
35 40

<210> 215

<211> 72

<212> PRT

<213> Homo sapien

<400> 215

Met Leu Lys Asn Ser Ser Tyr Asn Leu Phe Tyr Asn Ile Tyr Ser Cys
1 5 10 15

Thr Tyr Phe Tyr Ile Leu Ser Phe Ile Phe Val Phe Val Ser Phe Ala
20 25 30

Thr Leu Cys Thr Ser Leu Ser Glu Glu Glu Ser Phe Ser Pro Phe Tyr
35 40 45

Thr Leu Asn Lys Tyr Leu Asn Ser Tyr Tyr Ser Leu Ile Leu Tyr Lys
50 55 60

Ala Asp Ser Asn Ile Gly Ser Thr
 88 91

<211> 216
 <211> 18
 <212> PRT
 <213> Homo sapien

<400> 216

Met Ser Trp Leu Leu Ser Tyr Gln Asn Leu Gly Val Ser Tyr Arg Cys
 1 5 10 15

<210> 217
 <211> 39
 <212> PRT
 <213> Homo sapien

<400> 217

Met Leu Ser Trp Asn Cys Tyr Ser Pro Pro Ile Ser Ser Leu Ser Ile
 1 5 10 15

Cys His Pro Asn His Leu Glu Ala Leu Val Leu Asp Ala Leu Gln Tyr
 20 25 30

Phe Ihe Phe Leu Phe Phe Glu
 35

<210> 218
 <211> 24
 <212> PRT
 <213> Homo sapien

<400> 218

Met Asn Asp Arg Ala Arg Leu Ser Leu Ser Gln Lys Lys Thr Glu Arg
 1 5 10 15

Glu Ser Leu Glu Thr Arg His Ser
 20

<210> 219
 <211> 84
 <212> PRT
 <213> Homo sapien

<220>
 <221> MISC_FEATURE
 <222> 128 11.79
 <223> X=any amino acid

<411> 219

Met Asp Arg Ala Leu Pro Leu Trp Gly Ser Gln His Pro Ser His Pro
1 5 10 15

Ser His Ile Ala Leu Val Ser Ile Leu Val Leu Xaa Xaa Xaa Xaa Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser
65 70 75 80

Ile Lys Ile Gln

<210> 220

<211> 32

<212> FRT

<213> Homo sapien

<220>

<221> MISC_FEATURE

<222> (31)..(31)

<223> X=any amino acid

<400> 220

Met Lys Ile Thr Ser Cys Val Tyr Thr Ile Cys Leu His Leu Ala Asn
1 5 10 15

Thr Gly Leu His Asp Ser Thr Phe Ala Asn Tyr Leu Trp Leu Xaa Asn
20 25 30

<210> 221

<211> 786

<212> FRT

<213> Homo sapien

<400> 221

Arg Pro Leu Arg Ser Leu Lys Val Ile Tyr Asp Gly Leu Met Ala Leu
1 5 10 15

Phe Thr Thr Ser Leu Ile Ala Leu Leu Ser Ser Arg Gly Lys Asn Val
 21 28 31

Ala Ile Glu Tyr Ile Lys Ile His Thr Ile Glu Lys Glu Asp Val His
 35 41 48

Phe Cys Lys Gln Lys Ile Thr Asn Arg Met Leu Lys Leu Lys Leu Asp
 50 55 60

Thr Glu Glu Ser Pro Val Tyr Gln Val Tyr Val Gln Ala Lys Asp Leu
 65 70 75 80

Gly Pro Asn Ala Val Pro Ala His Cys Lys Val Ile Val Arg Val Leu
 85 90 95

Asp Ala Asn Asp Asn Ala Pro Glu Ile Ser Phe Ser Thr Val Lys Glu
 100 105 110

Ala Val Ser Glu Gly Ala Ala Pro Gly Thr Val Val Ala Leu Phe Ser
 115 120 125

Val Thr Asp Arg Asp Ser Glu Glu Asn Gly Gln Val Gln Cys Glu Leu
 130 135 140

Leu Gly Asp Val Pro Phe Arg Leu Lys Ser Ser Phe Lys Asn Tyr Tyr
 145 150 155 160

Thr Ile Val Thr Glu Ala Pro Leu Asp Arg Glu Ala Gly Asp Ser Tyr
 165 170 175

Thr Leu Thr Val Val Ala Arg Asp Arg Gly Glu Pro Ala Leu Ser Thr
 180 185 190

Ser Lys Ser Ile Gln Val Gln Val Ser Asp Val Asn Asp Asn Ala Pro
 195 200 205

Arg Phe Ser Gln Pro Val Tyr Asp Val Tyr Val Thr Glu Asn Asn Val
 210 215 220

Pro Gly Ala Tyr Ile Tyr Ala Val Ser Ala Thr Asp Arg Asp Glu Gly
 225 230 235 240

Ala Asn Ala Gln Leu Ala Tyr Ser Ile Leu Gln Cys Gln Ile Gln Gly
 245 250 255

Met Ser Val Phe Thr Tyr Val Ser Ile Asn Ser Ala Asn Gly Tyr Leu
240 241 250

Tyr Ala Leu Arg Ser ILe Asp Tyr Glu Glu Leu Lys Asp Phe Ser Phe
255 260 265

Gln Val Glu Ala Arg Asp Ala Gly Ser Pro Gln Ala Leu Ala Gly Asn
290 295 300

Ala Thr Val Asn Ile Leu Ile Val Asp Gln Asn Asp Asn Ala Pro Ala
305 310 315 320

Ile Val Ala Pro Leu Pro Gly Arg Asn Gly Thr Pro Ala Arg Glu Val
325 330 335

Leu Pro Arg Ser Ala Glu Pro Gly Tyr Leu Leu Thr Arg Val Ala Ala
340 345 350

Val Asp Ala Asp Asp Gly Glu Asn Ala Arg Leu Thr Tyr Ser Ile Val
355 360 365

Arg Gly Asn Glu Met Asn Leu Phe Arg Met Asp Trp Arg Thr Gly Glu
370 375 380

Leu Arg Thr Ala Arg Arg Val Pro Ala Lys Arg Asp Pro Gln Arg Pro
385 390 395 400

Tyr Glu Leu Val Ile Glu Val Arg Asp His Gly Gln Pro Pro Leu Ser
405 410 415

Ser Thr Ala Thr Leu Val Val Gln Leu Val Asp Gly Ala Val Glu Pro
420 425 430

Gln Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Glu His Gln Arg
435 440 445

Pro Ser Arg Ser Gly Gly Gly Glu Thr Ser Leu Asp Leu Thr Leu Ile
450 455 460

Leu Ile Ile Ala Leu Gly Ser Val Ser Phe Ile Phe Leu Leu Ala Met
465 470 475 480

Ile Val Leu Ala Val Arg Cys Gln Lys Glu Lys Lys Leu Asn Ile Tyr

481

491

496

Thr Cys Leu Ala Ser Asp Cys Cys Leu Cys Cys Cys Cys Cys Gly Gly
 511 515 519

Gly Gly Ser Thr Cys Cys Gly Arg Gln Ala Arg Ala Arg Lys Lys Lys
 515 520 525

Leu Ser Lys Ser Asp Ile Met Leu Val Gln Ser Ser Asn Val Pro Ser
 530 535 540

Asn Pro Ala Gln Val Pro Ile Glu Glu Ser Gly Gly Phe Gly Ser His
 545 550 555 560

His His Asn Gln Asn Tyr Cys Tyr Gln Val Cys Leu Thr Pro Glu Ser
 565 570 575

Ala Lys Thr Asp Leu Met Phe Leu Lys Pro Cys Ser Pro Ser Arg Ser
 580 585 590

Thr Asp Thr Glu His Asn Pro Cys Gly Ala Ile Val Thr Gly Tyr Thr
 595 600 605

Asp Gln Gln Pro Asp Ile Ile Ser Asn Gly Ser Ile Leu Ser Asn Glu
 610 615 620

Thr Lys His Gln Arg Ala Glu Leu Ser Tyr Leu Val Asp Arg Pro Arg
 625 630 635 640

Arg Val Asn Ser Ser Ala Phe Gln Glu Ala Asp Ile Val Ser Ser Lys
 645 650 655

Asp Ser Gly His Gly Asp Ser Glu Gln Gly Asp Ser Asp His Asp Ala
 660 665 670

Thr Asn Arg Ala Gln Ser Ala Gly Met Asp Leu Phe Ser Asn Cys Thr
 675 680 685

Glu Glu Cys Lys Ala Leu Gly His Ser Asp Arg Cys Trp Met Pro Ser
 690 695 700

Phe Val Pro Ser Asp Gly Arg Gln Ala Ala Asp Tyr Arg Ser Asn Leu
 705 710 715 720

His Val Pro Gly Met Asp Ser Val Ser Asp Thr Glu Val Phe Glu Thr
721 731 735

Pro Glu Ala Gln Pro Gly Ala Glu Arg Ser Phe Ser Thr Phe Gly Lys
741 745 751

Glu Lys Ala Leu His Ser Thr Leu Glu Arg Lys Glu Leu Asp Gly Leu
755 760 765

Leu Thr Asn Thr Arg Ala Pro Tyr Lys Pro Pro Tyr Leu Ser Pro Tyr
770 775 780

Leu Thr
785

<210> 222
<211> 80
<212> PRT
<213> Homo sapien

<400> 222

Met Tyr Lys Arg Arg Ser Cys Lys Ile Ala Pro Ile Glu Ser Glu Leu
1 5 10 15

Glu Asn Leu Glu Glu Cys Ala Leu Thr Asn Ala Pro Phe Ser Ser Lys
20 25 30

Ala His Phe Phe Phe Leu Gln Thr Lys Leu Leu Glu Gln Val Asp Tyr
35 40 45

Thr Phe Cys His Ser His Val Trp Lys Asn Lys Asn Gly His Lys Leu
50 55 60

Phe Ala Ala Pro Tyr Val Lys Ser Trp Ser Pro Leu Ala Gly Cys Gly
65 70 75 80

<210> 223
<211> 87
<212> PRT
<213> Homo sapien

<400> 223

Met Ser His Pro Phe Leu Ala Ile Leu Gly Cys Trp Thr Ser Gln Leu
1 5 10 15

His Phe Leu Leu Ser Cys Leu Asn Phe Tyr Leu Ser Thr Glu Thr Leu

20

25

30

Leu Thr Thr Tyr Lys Arg Ala Gly Ile Ser Pro Leu Asp Pro Thr Ile
 15 40 45

Pro Ser Ser Ser Leu Phe Leu Cys Ile Leu Leu Gln Gln Thr Ser Gln
 50 55 60

Gly Phe Phe Leu Ser Pro Ile Ser Leu Pro Leu His Leu Gly Phe Cys
 65 70 75 80

Leu Arg His Phe Asn Lys Thr
 85

<210> 224

<211> 61

<212> PRT

<213> Homo sapien

<220>

<221> MISC_FEATURE

<222> (8)..(8)

<223> X=any amino acid

<400> 224

Met Thr Gln Leu Ile Cys Thr Xaa Gln His Asp Gln Asn Gln Asn Val
 1 5 10 15

Gln Phe Phe Glu Ser Arg His Ile Thr Thr Val Asn His Ile Leu Ser
 20 25 30

Tyr Lys Ala Thr Gln Glu Ile Leu Lys Ile Glu Ile Ile Val Ile Phe
 35 40 45

Tyr Tyr Ser Ala Phe Lys Ile Glu Ile Asn Lys Glu Leu
 50 55 60

<210> 226

<211> 78

<212> PRT

<213> Homo sapien

<400> 226

Met Phe Met Val Ser His Leu Ala Pro Arg Ser Leu Asn Arg Ser His
 1 5 10 15

Leu Leu His His Leu Val Leu Lys His Leu Tyr Lys Met Gln Phe Thr
 25 25 25 25 25 25 25 25 25 25 25 25 25 25 25

Ile Leu His Ser Val Gln Phe Asp Pro Phe Gln Ile Gln Tyr Met Gln
 35 35 35 35 35 35 35 35 35 35 35 35 35 35 35

Thr Phe Pro Gly Gly Asp Val Arg Leu Arg Thr Thr Lys Tyr Val Phe
 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50

Lys Asn Ile Glu Ser Ile Ser Pro Ile Val Asn Ala Leu Ser
 65 65 65 65 65 65 65 65 65 65 65 65 65 65 65

<210> 226
 <211> 38
 <212> PRT
 <213> Homo sapien

<400> 226

Met Leu Ala Asn Met Val Val Tyr Thr Lys Ala Leu Tyr Asp Gln Leu
 1 5 10 15 20 25 30 35 40 45 50 55 60 65 70

Val Asn Lys Ser Leu Tyr Asn Cys Lys Gly Lys Ile Lys Thr Asp Leu
 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145

Leu Lys Gln Tyr Thr Ile
 150 155 160 165 170 175

<210> 227
 <211> 45
 <212> PRT
 <213> Homo sapien

<400> 227

Met Pro Leu Trp Gln Arg Glu Phe Ser Asn Lys Thr Glu Leu Gly Arg
 1 5 10 15 20 25 30 35 40 45 50 55 60 65 70

Arg Glu Trp Asn Tyr Leu Leu Ile Ser Tyr Cys Asp Ile Arg Tyr Cys
 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145

Tyr Ile His Leu Ser Leu Trp Tyr Leu Leu Asn Asn Trp
 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220

<210> 228
 <211> 67
 <212> PRT
 <213> Homo sapien

<400> 229

Met Gly Leu Asp Phe Pro Ser His Ala Glu Lys Lys Leu Ser Leu Arg
1 5 10 15

Glu Lys Ala Glu Gln Ser Gly Pro Arg Lys Ala Thr Thr Asn Ile Leu
20 25 30

His Ala Lys Lys Glu Ala Lys Glu Glu Val Glu Leu Tyr Pro Asn Met
35 40 45

Leu Ile Ile Gly Val Ile Leu Ala Glu Leu Val Arg Pro Pro Gly Gly
50 55 60

Gln Gly Ile
65

<210> 229

<211> 76

<212> PRT

<213> Homo sapien

<400> 229

Lys Asn Lys Gln Lys Lys Lys Arg Lys Lys Arg Lys Lys Arg Lys Lys
1 5 10 15

Arg Lys Lys Arg Lys Lys Arg Lys Arg Lys Arg Lys Lys Lys Arg Arg
20 25 30

Lys Lys Gly Arg Arg Arg Arg Lys Lys Lys Lys Lys Lys Lys Lys Lys
35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Glu
50 55 60

Arg Lys Lys Glu Arg Lys Arg Glu Asp Ser Thr Asn
65 70 75

<210> 230

<211> 23

<212> PRT

<213> Homo sapien

<400> 230

Met Glu Met His Gly Asn Ala Phe Val Ser Thr Val Leu Glu Arg Leu
1 5 10 15

Lys His Ile Ile
10

<210> 231
<211> 41
<212> PRT
<213> Homo sapien

<400> 231

Met Pro Leu Gln Gly Pro Gln Phe Glu Lys Tyr Tyr Leu Val Lys Phe
1 5 10 15

Trp Leu Leu Cys Lys Asn Phe His Ser Leu Thr Gln Ala Ser Gly Thr
20 25 30

Ala Tyr Phe Leu Thr Leu Thr Leu Leu Lys Leu Phe Gln Ser Leu Leu
35 40 45

Cys Leu Gln Ala Leu Glu Thr Glu Glu Arg Asn Phe Thr
50 55 60

<210> 232
<211> 39
<212> PRT
<213> Homo sapien

<400> 232

Met Ile Tyr Gly Ile Ile Gly Ile Phe Ile Phe Asn Thr Ile Tyr His
1 5 10 15

Phe Ser Gly Leu Thr Leu Ser Asp Leu Phe Gly Ile Phe Ser Leu Met
20 25 30

Thr Lys Phe Ile Asn Gln Trp
35

<210> 233
<211> 42
<212> PRT
<213> Homo sapien

<400> 233

Met Phe His Arg Ile His Gly Gln Arg Ile Arg Gln Ala Phe Glu Met
1 5 10 15

Asn Arg Ile Ser Leu Thr Ser Pro Ser Phe Cys Gln Phe Val Leu Phe

21

21

31

Leu Ser His Ile His Gln Leu Ser Pro Ser
 35 40

<211> 234
 <211> 40
 <212> PRT
 <213> Homo sapien

<400> 234

Met Ile His Arg Ile His Gly Gln Arg Ile Arg Gln Ala Phe Gln Met
 1 5 10 15

Asn Arg Ile Ser Leu Thr Ser Pro Ser Phe Cys Gln Phe Val Leu Phe
 20 25 30

Leu Ser His Ile His Gln Leu Ser Pro Ser
 35 40

<210> 235
 <211> 37
 <212> PRT
 <213> Homo sapien

<400> 235

Met Leu Met Asn Val Lys Val Ala Lys Thr Gln Ala Leu Thr Ile Leu
 1 5 10 15

Met Ile Leu Leu Phe Lys Thr Asp Leu Tyr Gly Gln Lys His Arg Asn
 20 25 30

Gly Ser Ser Arg Phe
 35

<210> 236
 <211> 135
 <212> PRT
 <213> Homo sapien

<220>
 <221> MISC_FEATURE
 <222> 72 ... 72'
 <223> X-any amino acid

<220>
 <221> MISC_FEATURE
 <222> 116 ... 116'

<200> X-ray amino acid

<201>

<202> MISS PEATERN

<203> 191 .. 191

<204> X-ray amino acid

<400> 236

Met Lys Pro Ser Leu Cys Pro Arg Ala Val Gln Ala Ala Ala Val Ala
1 5 10 15

Pro Thr Asn Ser Gln Glu Thr Tyr Ser Val Pro Gln Gly Arg Cys Arg
20 25 30

Trp Gln Pro Trp Pro Arg Pro Ala His Arg Lys Pro Thr Leu Cys Pro
35 40 45

Gly Ala Gly Ala Gly Gly Ser His Gly Pro Asp Gln Leu Thr Gly Asn
50 55 60

Leu Leu Cys Cys Pro Arg Gly Xaa Cys Arg Arg Gln Pro Trp Pro Arg
65 70 75 80

Pro Ser Ser His Glu Asn Leu Ser Leu Leu Pro Pro Gly Ala Ile Ala
85 90 95

Arg Arg Gln Ala Met Ala Pro Thr Ser Ser Gln Glu Thr Tyr Ser Val
100 105 110

Pro Pro Gly Xaa Leu Pro Leu Ala Ala Met Ala Pro Asn Gln His Thr
115 120 125

Gly Lys Xaa Thr Gly Thr Leu
130 135

<210> 237

<211> 419

<212> PRT

<213> Homo sapien

<400> 237

Met Ala Pro Thr Ser Ser Gln Glu Thr Tyr Ser Val Pro Arg Gly Arg
1 5 10 15

Cys Arg Gln Gln Pro Trp Pro Arg Pro Ala His Arg Lys Pro Ser Leu

Cys	Pro	Arg	Ala	Val	Gln	Ala	Ala	Ala	Val	Ala	Pro	Thr	Ser	Ser	Gln
45						41						47			
Gln	Thr	Tyr	Ser	Val	Pro	Gln	Gly	Arg	Cys	Arg	Trp	Gln	Pro	Trp	Pro
50						55					60				
Arg	Pro	Ala	His	Arg	Lys	Pro	Thr	Leu	Cys	Pro	Arg	Ala	Gly	Ala	Gly
65					70					75					80
Gly	Ser	Arg	Gly	Pro	Asp	Gln	Leu	Thr	Gly	Asn	Leu	Leu	Cys	Ala	Leu
				85					90					95	
Gly	Gln	Gly	Arg	Cys	Arg	Arg	Gln	Pro	Trp	Pro	Arg	Pro	Ala	Pro	Thr
			100					105					110		
Ser	Leu	Ser	Cys	Ser	Arg	Ser	Ala	Pro	Gly	Pro	Ala	Pro	Ser	Gly	Pro
		115					120					125			
Arg	Gly	Lys	Thr	Pro	Ser	Ser	Pro	Thr	Leu	Ser	Pro	Ser	Arg	Gly	Ser
130						135					140				
Pro	Leu	Leu	Leu	Arg	Glu	Pro	Ser	Leu	Val	Thr	Asp	Ser	Leu	Glu	Ala
145					150					155					160
His	Arg	Gly	Ser	Leu	Ala	Pro	Gly	Val	Leu	Trp	Thr	Ser	Gly	Thr	Ala
				165				170						175	
Ser	Gly	Ser	Lys	Ala	Ala	Pro	Pro	Pro	Gln	Glu	Gly	Leu	Met	Thr	Glu
			180					185					190		
Leu	Glu	Ser	Cys	Gly	Gly	Arg	Thr	Ala	Thr	Gly	Pro	Cys	Leu	Pro	Thr
		195					200					205			
Gly	Ser	Glu	Arg	Pro	Ser	Leu	Arg	Leu	Pro	Gly	Pro	Cys	Pro	Ser	Val
210						215					220				
Gly	His	Ser	Gln	Ala	Leu	Gly	Gln	Arg	Lys	Gln	Phe	Arg	Glu	Thr	Ala
225					230					235					240
Gln	Ala	Arg	Lys	Ala	Gln	Val	Ala	Trp	Glu	Pro	Arg	Ser	Ala	Glu	Ile
			245						250					255	

Glu Leu Glu Lys Gln Glu Ala Trp Pro Gly Pro Pro Ala Ser Lys Gly
260 265 270

Glu Arg Gln Ala Pro Gly Val Gly Ser Gly Val Leu Gly Pro His Gln
275 280 285

Thr Gly Ile Phe Pro Pro Leu Pro Gly Gly Gly Ala Gly Arg Ala Ser
290 295 300

Pro Ala Glu Ala Pro Gly Ser Val Arg Asn Asn Arg Lys Gly Ser Arg
305 310 315 320

Gly Thr Gly Thr Ser His Thr Pro His Pro Val His Pro Ile Gly Pro
325 330 335

Ile His Pro Val His Pro Val Tyr Pro Ile Tyr Arg His Phe Pro Leu
340 345 350

His Ser Gln Leu Ser Arg Leu Leu Thr Leu Glu Glu Leu Asn Ser Gly
355 360 365

Leu Ala Ser Cys Leu Gln Cys Gly Thr Leu Cys Ser Ser Thr Trp Glu
370 375 380

Pro Gln Gly Ala Arg Ser Val Gly Ile Cys Thr Leu Pro Leu Thr Glu
385 390 395 400

Ile Tyr His Ala Glu Thr Ser Asp Leu Arg Gly Thr Ser Ala Gly Pro
405 410 415

Trp Val His

<210> 238

<211> 59

<212> FRT

<213> Homo sapien

<400> 238

Met Val Ser Asn Asn Tyr Leu Thr Gly Phe Trp Leu Gly Ile Phe Leu
1 5 10 15

Leu Pro His Thr Val Pro Val Glu Asn Val Glu Val His Phe Gly Leu
20 25 30

Tyr Ile Phe Met Lys His Leu Glu Gly Trp Gly Gly Gly Cys Gln Val
30 40 45

Ser Lys Ser Arg Lys Met Tyr Phe Val Arg Leu
55

<210> 239
<211> SP
<212> PRT
<213> Homo sapien

<400> 239

Met Val Ser Asn Asn Tyr Leu Thr Gly Phe Trp Leu Gly Ile Phe Leu
5 10 15

Leu Pro His Thr Val Pro Val Glu Asn Val Glu Val His Phe Gly Leu
20 25 30

Tyr Ile Phe Met Lys His Leu Glu Gly Trp Gly Gly Gly Cys Gln Val
35 40 45

Ser Lys Ser Arg Lys Met Tyr Phe Val Arg Leu
50 55

<210> 240
<211> 73
<212> PRT
<213> Homo sapien

<400> 240

Met Asn Val Leu Pro Leu Lys Lys Asn Gln Leu Ser His Ile Thr His
1 5 10 15

Ile Tyr Ile Leu Leu His Asn Asn Val Leu Asn Trp Thr Thr Val Asn
20 25 30

Gln Arg Val Ile Ala Ala Ser Glu Gly Asp Arg Leu Leu Thr Phe Arg
35 40 45

Tyr Cys Leu Met Pro Gly Lys Pro Trp Glu Pro Arg Gln Val Asn Leu
50 55 60

Thr Lys Leu Leu Leu Phe Ser Gln Leu
65 70

<210> 241

<211> 21
 <212> PRT
 <213> Homo sapien

<210> 241

Met Asn Val Leu Irs Leu Lys Lys Asn Gln Leu Ser His Ile Thr His
 1 5 10 15

Ile Tyr Ile Leu Leu His Asn Asn Val Leu Asn Trp Thr Thr Val Asn
 20 25 30

Gln Arg Val Ile Ala Ala Ser Glu Gly Asp Arg Leu Leu Thr Phe Arg
 35 40 45

Tyr Cys Leu Met Pro Gly Lys Pro Trp Glu Pro Arg Gln Val Asn Leu
 50 55 60

Thr Lys Leu Leu Leu Phe Ser Gln Leu
 65 70

<210> 242
 <211> 39
 <212> PRT
 <213> Homo sapien

<220>
 <221> MISC_FEATURE
 <222> 12...12'
 <223> X=any amino acid

<220>
 <221> MISC_FEATURE
 <222> 14...15'
 <223> X=any amino acid

<220>
 <221> MISC_FEATURE
 <222> 17...17'
 <223> X=any amino acid

<220>
 <221> MISC_FEATURE
 <222> 111...111'
 <223> X=any amino acid

<220>
 <221> MISC_FEATURE
 <222> 151...151'
 <223> X=any amino acid

<210>
 <211> MISSING FEATURE
 <212> 17 ... 22
 <213> Heavy amino acid

<400> 242

Met Xaa Thr Xaa Xaa Pro Xaa Ser Trp Met Xaa Ala Phe Lys Xaa Asp
 1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Arg Trp Asn Leu Ser Ile Arg Gly Ser Phe
 20 25 30

Ala Thr Asp Phe Ser Asn Gly
 35

<210> 243
 <211> 81
 <212> PRT
 <213> Homo sapien

<400> 243

Met Ile Ile Tyr Asn Tyr Asn Val Tyr Cys Phe Thr Tyr Ile Phe Pro
 1 5 10 15

Lys Tyr Thr Ile Asn Ala Leu Pro His Phe Ala Leu Phe Thr Lys Tyr
 20 25 30

Ile Leu Gln Ile Ile Leu Tyr Ser Tyr Ile Lys Ser Phe Ile Val Pro
 35 40 45

Phe Tyr Gly Cys Lys Met Phe Gln Leu Met Asp Gly Leu Ile Leu Tyr
 50 55 60

Arg Ala Thr Leu Arg Leu Cys Pro Ile Leu Leu Phe Leu Ile Leu Leu
 65 70 75 80

Lys

<210> 244
 <211> 88
 <212> PRT
 <213> Homo sapien

<220>

<210> MISC_FEATURE
 <211> 128'...43'
 <223> X=any amino acid

<400> 244

Met Ser Gly Gln Leu Lys Ala Gly Ala Gln Gly Pro Gln Gly Leu Val
 1 5 10 15

Glu Gly Met Lys Cys Ala His Ile Lys Arg Lys Val Ala Met Gln Ser
 20 25 30

Lys Glu Gly Gln Val Gln Met Cys Ser Val Asn Leu Ile Leu Arg Glu
 35 40 45

Gly Arg Gly Phe Gly Leu Gly Gln Asp Pro Lys Glu Gly Ala Glu Asp
 50 55 60

Met Glu Leu Glu Ala Val Arg Lys Val Val Phe Xaa Glu Gly Ala Val
 65 70 75 80

Leu Thr Arg Pro Leu
 85

<210> 245
 <211> 70
 <212> PRT
 <213> Homo sapien

<220>
 <221> MISC_FEATURE
 <222> 128'...43'
 <223> X=any amino acid

<400> 245

Met Ser Thr Phe Thr Phe Thr Ala Lys Gln Gly Phe Gln Val Val Phe
 1 5 10 15

Ser Ser Leu Asn Ser His Leu Pro Lys Met Gln Xaa Xaa Xaa Xaa Xaa
 20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Gly Trp Leu Ser
 35 40 45

Glu Ser Pro Asn Asn Pro Met Lys Tyr Gln Arg Phe Leu Glu Arg Leu
 50 55 60

Leu Val Gln Lys Val Thr
 35 71

<211> 246

<211> 61

<212> PRT

<213> Homo sapien

<220>

<221> MISC_FEATURE

<222> 21 ..31

<223> X=any amino acid

<400> 246

Met Val Pro Gly Gly Gln Arg Ala Gly Gly Leu Cys Leu Lys Arg Ser
 1 5 10 15

Leu Gln Ile Val Phe Glu Lys Ile Thr Gln Asn Gln Pro Trp Xaa Tyr
 20 25 30

Leu Arg Gln Glu Gly Lys Tyr Phe Lys Arg Leu Cys Glu Phe Val Ser
 35 40 45

Val His Leu Phe Phe Val Glu Tyr Ile Leu Leu Ile
 50 55 60

<210> 247

<211> 48

<212> PRT

<213> Homo sapien

<400> 247

Met Gln Gln Asp Ser Tyr Ser Val Asn Trp Tyr Ser Leu Tyr Arg Gly
 1 5 10 15

Gln Leu Lys Lys His Phe Phe Asp Gln Ala Ile Pro Leu Leu Gly Ile
 20 25 30

His Pro Thr Asp Ile Leu Ser His Ile Leu Lys Asn Arg Pro Gly Thr
 35 40 45

<210> 248

<211> 103

<212> PRT

<213> Homo sapien

<400> 248

Ile Ile Leu Ala Leu Ile Arg Asp Arg Val Ser Pro Ser Phe Arg Leu
 1 5 10 15

Ala Tyr Ser Gly Ala Ile Met Ala His Cys His Leu Gln Leu Leu Gly
 20 25 30

Leu Arg Asp Pro Pro Thr Ser Ala Ser Ala Val Ala Gly Ser Thr Gly
 35 40 45

Gln Cys His His Gly Trp Ala Asn Ala Ala Lys Phe Leu Phe Ser Ile
 50 55 60

Glu Ile Gly Leu Cys His Phe Ala Gln Ala Gly Leu Glu Leu Val Gly
 65 70 75 80

Ala Ser Asn Pro Ala Pro Ser Thr Ser Gln Ser Pro Gly Ile Thr Gly
 85 90 95

Val Ser His Cys Ala Trp Pro
 100

<210> 249
 <211> 38
 <212> PRT
 <213> Homo sapien

<400> 249

Met Trp Tyr Met Thr Ile Phe Pro Gly Trp Val Gln Gly Gln Val His
 1 5 10 15

Arg Asp Ser Trp Val Lys Lys Ser Leu Tyr Ser His Leu Leu Leu Lys
 20 25 30

Ala Lys Ser Pro Val Gly
 35

<210> 280
 <211> 56
 <212> PRT
 <213> Homo sapien

<220>
 <221> MISC_FEATURE
 <222> 117..119
 <223> N=any amino acid

<411> 251

Met Phe Thr Asp Val Leu Gln Leu Lys Val Xaa Xaa Xaa Xaa Xaa Xaa
 1 5 10 15

Xaa Xaa Xaa Gln Asp Met Ser Lys Tyr Ala Trp Leu Phe Ser Ile Met
 20 25 30

Cys Met Leu Ser Ile Ser Leu Leu Ser Val Leu Gly Val Glu Leu Thr
 35 40 45

Val Leu Gly His Phe Ile Glu Phe
 50 55

<4210> 251

<4211> 37

<4212> PRT

<4213> Homo sapien

<4400> 251

Met Phe Pro Gly Asn Ile Phe Phe Asn Phe Pro Arg Ser Ser Leu Tyr
 1 5 10 15

Ser Arg Gln Thr Ser Leu Ala Val Ser Gln Ile Gly Gln Ala His Ser
 20 25 30

Cys Ile Arg Ala Phe
 35

<4210> 252

<4211> 37

<4212> PRT

<4213> Homo sapien

<4400> 252

Met Val Lys Lys Val Leu Ile Leu Met Thr Leu Tyr Gln Asn Lys Ala
 1 5 10 15

Ser Asp Ile Ser Leu Gly Leu Tyr Leu Asp Asp Gln Leu Thr
 20 25 30

<4210> 253

<4211> 37

<4212> PRT

<4213> Homo sapien

<4400> 253

Met Val Lys Lys Val Leu Ile Leu Met Thr Leu Tyr Gln Asn Lys Ala
 1 4 11 16

Ser Asp Ile Ser Leu Gly Leu Tyr Leu Met Ile Ser
 21 26

<211> 254
 <211> 19
 <212> PRT
 <213> Homo sapien

<400> 254

Met Arg Asn Trp Leu Ile Ser Arg Gln Asn Ser Lys Ala His Arg Lys
 1 5 10 15

Ser Arg Cys

<210> 255
 <211> 19
 <212> PRT
 <213> Homo sapien

<400> 255

Met Arg Asn Trp Leu Ile Ser Arg Gln Asn Ser Lys Ala His Arg Lys
 1 5 10 15

Ser Arg Cys

<210> 256
 <211> 93
 <212> PRT
 <213> Homo sapien

<400> 256

Met Phe Ser Ser Ala Asn Ser Ile Leu Gly Ala Leu Leu Ile Trp Ala
 1 5 10 15

Gly Met Ser Trp Leu Pro Ile Gln Ala Val Cys Arg Tyr Pro Leu Pro
 21 26 31

Ala Ser Val Pro Ser Gln His Arg Arg Asp Leu Pro Cys Val Ser Leu
 36 41 46

His Pro Trp Leu Gln Gly Ser Ser Cys Cys Leu Leu Trp Ser Trp Trp
 51 56 61

Gly Ile His Cys His Pro Trp Ile Pro Ser Cys Arg Gln Pro Ala Val
 65 70 75

Leu Ser Ala Leu Gly Gly Gly Gly Ala Leu Trp Leu Cys
 85 90

<210> 257
 <211> 121
 <212> FRT
 <213> Homo sapien

<400> 257

Met Phe Ser Ser Ala Asn Ser Ile Leu Gly Ala Leu Leu Ile Arg Ala
 1 5 10 15

Gly Met Ser Trp Leu Pro Ile Glu Ala Val Cys Arg Tyr Pro Leu Pro
 20 25 30

Ala Ser Val Pro Ser Glu His Arg Arg Asp Leu Pro Cys Val Ser Leu
 35 40 45

His Pro Trp Leu Gln Gly Ser Ser Cys Cys Leu Leu Trp Ser Trp Trp
 50 55 60

Gly Pro His Cys His Pro Trp Ile Pro Ser Cys Arg Gln Pro Cys Cys
 65 70 75 80

Pro Gln Cys Thr Gly Arg Arg Gly Cys Ala Val Val Val Leu Ser Leu
 85 90 95

His Arg Cys Pro Leu Val Gly Leu Glu Trp Gly Phe Leu Ile Pro Pro
 100 105 110

Ser Met Trp Ile Glu Phe Arg Gly Leu
 115 120

<210> 258
 <211> 23
 <212> FRT
 <213> Homo sapien

<400> 258

Met Lys Val Gln Gly Ala Asp Val Ala Ala Ala Ala Ser Tyr Gln Glu
 1 5 10 15

Tyr Leu Thr Lys
21

<211> 259
<211> 47
<212> PRT
<213> Homo sapien

<400> 259

Met Met Pro Ala Trp Val Val Gly Trp Val Gly Ala Glu Ser Thr Pro
1 5 10 15

Ala Pro Leu Met Lys Arg Gly Gly Arg Cys Phe Leu Ser Leu Val Leu
20 25 30

Met Cys Pro Leu Gly Trp Trp Gln Leu Gly Leu Leu Arg Ala Thr Pro
35 40 45

Ser Thr Met Pro Leu Leu Ile Ala Lys Ala Ser Ala Tyr Pro Pro Val
50 55 60

Leu Asn Thr
65

<210> 260
<211> 49
<212> PRT
<213> Homo sapien

<400> 260

Met Ser Phe Gln Val His Pro Ser Ile Leu Lys His Lys Tyr Pro Thr
1 5 10 15

Ile Leu Asn Asn Phe Arg Thr Lys Ile Asn Ile Leu Thr Arg Lys Lys
20 25 30

His Ala Met Thr Ser Cys Asn Leu Ile Lys Lys Asp Lys Glu Trp Ser
35 40 45

Leu

<210> 261
<211> 30
<212> PRT
<213> Homo sapien

<210>
 <211> MISC_FEATURE
 <212> 24 1, 14
 <213> X=any amino acid

<411> 261

Met Phe Thr Phe Leu Tyr Leu Val Ile Thr Glu Thr Asn Cys Leu Val
 1 5 10 15

Thr Phe Glu Ile Asn Glu Ser Xaa Leu Ser Glu Cys Val Ile Asp Asn
 20 25 30

<210> 262
 <211> 47
 <212> PRT
 <213> Homo sapien

<401> 262

Met Ser Ser Met Glu Glu Ala Phe Gly Ser Glu Met Asn Cys Pro Arg
 1 5 10 15

Ser Arg Gly Glu Glu Leu Gly Pro Gly Leu Thr Gly Phe Cys Ser Val
 20 25 30

Val Leu Ser Arg Pro Trp Phe Leu Leu Tyr Pro Gly Gly Ala Phe
 35 40 45

<210> 263
 <211> 69
 <212> PRT
 <213> Homo sapien

<401> 263

Met Ala Val Leu Lys Thr Trp His Lys Tyr Met Ser Cys Ala Glu Thr
 1 5 10 15

Gly Val Ala Pro Ser Phe Ile His Gly Asp Trp Glu Val Thr Thr Pro
 20 25 30

Ala Pro Ala Pro Ser Cys Ile Pro Leu Ile Val Arg Lys Arg Glu Gly
 35 40 45

Pro Ser Cys Leu Cys Pro His Ala Cys Val Thr Ala Ser Leu Phe Thr
 50 55 60

Gln Arg Val Val Phe
 41

<210> 264

<211> 79

<212> 1kT

<213> Homo sapien

<220>

<221> MISC_FEATURE

<222> 4...4

<223> X=any amino acid

<220>

<221> MISC_FEATURE

<222> 18...18

<223> X=any amino acid

<220>

<221> MISC_FEATURE

<222> 122...122

<223> X=any amino acid

<220>

<221> MISC_FEATURE

<222> 138...138

<223> X=any amino acid

<220>

<221> MISC_FEATURE

<222> 142...142

<223> X=any amino acid

<220>

<221> MISC_FEATURE

<222> 146...147

<223> X=any amino acid

<220>

<221> MISC_FEATURE

<222> 152...152

<223> X=any amino acid

<220>

<221> MISC_FEATURE

<222> 155...155

<223> X=any amino acid

<400> 264

Met Tyr Pro Xaa Trp Pro Arg Xaa Lys Pr Gly Gln Lys Gln Lys Gly
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Pro Asn Phe Phe Phe Xaa Val Trp Ile Val Phe Ser Trp Lys Asn Asn
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Leu Gly Cys Pro Asn Xaa Cys His Phe Xaa Thr Val His Xaa Xaa Ile
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

Thr Ser Ser Xaa Met Ser Xaa Asp Thr Asp Thr Gly Ser Asn Leu Thr
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

Leu Tyr Ser Met Thr Gly Leu Lys Ile Arg Pro Lys Gly Ile Ile
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

<210> 265
<211> 25
<212> PRT
<213> Homo sapien

<400> 265

Met Ile Ser Glu Lys Leu Gly Gly Val Lys Cys Pro Gly Lys Lys Gly
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6

Leu Gly Leu Gln Arg Tyr Thr Gln Met
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

<210> 266
<211> 59
<212> PRT
<213> Homo sapien

<400> 266

Met Ala Thr Thr Thr Leu Thr Leu Ala Tyr Tyr Leu Ile Gln Leu Pro
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

Ser Lys Thr Asp Thr Ser Phe Leu Leu His Phe Asp Ile Ile Cys Gln
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

Val Cys Phe Ile Pro Ser Tyr Ile Lys Asn Glu Ser Thr Val Gln Leu
10 10 10 10 10 10 10 10 10 10 10 10 10 10 10

Tyr Ser Arg Arg His Leu Ser Tyr Lys Thr Val
11 11 11 11 11 11 11 11 11 11 11 11 11 11 11

<210> 267

<211> 48
 <212> FRT
 <213> Homo sapien

<400> 167

Met Leu Phe Ile Phe Val Asp Ile Lys Ser Gln His Ile Arg Thr Met
 1 5 11 15

Lys Ile Phe Gln Arg Thr Ser Asp Ser Val Leu Leu Thr Phe Ala Tyr
 20 25 30

Gly His Ser Asp Thr Ile Thr Ser Ser Ala Tyr Leu Ile Cys Arg Tyr
 35 40 45

Leu Asp Ser Asn Gln Asp Leu Glu Asn Gln Arg Phe Arg Glu Asn Lys
 50 55 60

Lys Lys Leu Arg Lys Ala Gln Asn Met Gln Phe Ser Lys Ile Phe Arg
 65 70 75 80

Leu Ile His Lys Tyr Ser Thr Cys
 85

<210> 268
 <211> 48
 <212> FRT
 <213> Homo sapien

<400> 268

Met His His Ser Asn Thr Phe Leu Arg Val Lys Val Ile Ile Lys Asn
 1 5 11 15

Tyr Leu Tyr Leu Leu Lys Tyr Ser Leu Lys Leu Trp Phe Leu Met Ser
 20 25 30

Tyr Tyr Ser Ile Phe Glu Gly Ile Met Leu Tyr Leu Ile Asn
 35 40 45

<210> 269
 <211> 60
 <212> FRT
 <213> Homo sapien

<400> 269

Met Ser Leu Phe Lys Met Ser Phe Thr Ser Ala Gly Gln Gln Gln Ser
 1 5 11 15

Tyr Met Ala Tyr Pro Gln Met Pro Phe Val Ile Thr Met Thr Ala
 1 25 30

Asn Gln Gln Leu Thr Thr Gln Ser Leu Val His Pro Val Thr His Ser
 35 40 45

Leu Lys Pro His Phe Ile Phe Pro Gly Phe Phe Ile
 50 55 60

<210> 270

<211> 69

<212> FRT

<213> Homo sapien

<220>

<221> MISC_FEATURE

<222> (10)/.(10)

<223> X=any amino acid

<400> 270

Met Cys Glu Lys Phe Tyr Ile Lys Cys Xaa Lys Lys Ile Ser Ala Ser
 1 5 10 15

Met Arg Leu Pro Arg Asn Leu Gly Ala Phe Ile Lys Ile Thr Pro Asn
 20 25 30

Lys Arg Asn Tyr Arg Arg Lys Lys Glu Lys Met Lys Thr Arg Thr Phe
 35 40 45

Glu Leu Lys Asn Thr Val Glu Lys Lys Phe Met Glu Lys Met Gln Lys
 50 55 60

Phe Lys Ile Lys Ile
 65

<210> 271

<211> 96

<212> FRT

<213> Homo sapien

<400> 271

Met Pro Val Tyr Ser Leu Leu Gln Ile Pro Pro Gly Gln Ala Thr Leu
 1 5 10 15

Lys Ile Pro Asp Lys Leu Lys Phe Ile Asn Leu Ile Leu Leu Ser Pro
 20 25 30

Val Ser Leu Ile Ile Val Pro Ile Ala Arg Thr Ile Pro Asn Leu His
 1 40 48

Ser Cys Ser Ala Arg His Glu Ser Arg Lys Trp Gly Leu Ile Leu Pro
 50 55 60

Ala Thr Leu Val Ser Asn Tyr Ser Glu Lys Glu Val Asp Val Leu Ile
 65 70 75 80

Asp Gly Lys Ile Gln Met Ile Phe Leu Gly Glu Ile Phe Leu Arg Ser
 85 90 95

<210> 272
 <211> 48
 <212> PRT
 <213> Homo sapien

<400> 272

Met Gly Tyr Ile Leu Lys Leu Phe His Tyr Leu Asn Pro Leu Val Ser
 1 5 10 15

Val Val Leu Leu Leu Ser Lys Glu Glu Ser Phe Phe Phe His Thr Asn
 20 25 30

Gly Val Gly Gln Asn Ile Lys Ala Ser Val Ile Trp Lys Ser Ser Arg
 35 40 45

<210> 273
 <211> 38
 <212> PRT
 <213> Homo sapien

<400> 273

Met Asn Phe Tyr Arg Pro Arg Asn Ser Ser His Tyr Leu Thr Asn Phe
 1 5 10 15

Ser Val Cys Val Glu Thr Val Thr Ser Leu Tyr Ser Glu Gly Ile Ala
 20 25 30

Thr Tyr Asn Val Thr Asn
 35

<210> 274
 <211> 42
 <212> PRT

<213> Homo sapien

<400> 274

Met Ala Ala Ile Ser Arg Pro Val Lys Ile His Leu Pro Lys Gln Asn
1 5 10 15

His Ser Phe Phe Ile Phe Phe Trp Arg Trp Ser Phe Ala Leu Val Ala
20 25 30

Gln Ala Gly Val Pro Arg Pro Arg Pro Arg
35 40

<210> 275

<211> 30

<212> PRT

<213> Homo sapien

<400> 275

Met Leu Phe Trp Thr Leu Gly Ser Val Ile Tyr Tyr Val Cys Pro Ser
1 5 10 15

Ile Glu Val Ser Leu Thr Leu Ser Lys Ile Pro Phe Thr Asn
20 25 30

<210> 276

<211> 244

<212> PRT

<213> Homo sapien

<400> 276

Leu Leu Gly Thr Ala Phe Gln Leu Phe Gly Tyr Gln Gln Asn Ala Val
1 5 10 15

Gln Ser Leu Gln His Leu Leu Lys Phe Met Ala Ser Asn Lys Ala Ala
20 25 30

Ala Asp Asp Ala Ser Val Ala Ala Ala Ala Gln Ser Phe Phe Gln Arg
35 40 45

Leu Gln Leu Gly Asp Met Gln Ala Leu Ser Leu Trp Gln Lys Phe Arg
50 55 60

Asp Leu Ser Ile Gln Gln Tyr Ile Arg Val Tyr Lys Arg Leu Gly Val
65 70 75 80

Tyr Phe Asp Gln Tyr Ser Gly Gln Ser Phe Tyr Arg Gln Lys Ser Gln

88

91

94

His Val Leu Lys Leu Leu His Ser Lys Gly Leu Leu Leu Lys Thr Ile
111 114 117

Lys Gly Thr Ala Val Val Asp Leu Ser Gly Asn Gly Asp Pro Ser Ser
111 121 125

Ile Cys Thr Val Met Arg Ser Asp Gly Thr Ser Leu Tyr Ala Thr Arg
131 135 140

Asp Leu Ala Ala Ala Ile Asp Arg Met Asp Lys Tyr Asn Phe Asp Thr
145 151 155 160

Met Ile Tyr Val Thr Asp Lys Gly Gln Lys Lys His Phe Gln Gln Val
165 170 175

Phe Gln Met Leu Lys Ile Met Gly Tyr Asp Trp Ala Gln Arg Cys Gln
180 185 190

His Val Pro Phe Gly Val Val Gln Gly Met Lys Thr Arg Arg Gly Asp
195 200 205

Val Thr Phe Leu Gln Asp Val Leu Asn Gln Ile Gln Leu Arg Met Leu
210 215 220

Gln Asn Met Ala Ser Ile Lys Ser Gln Phe Ser Phe Phe Leu Leu Lys
225 230 235 240

Ser Leu Lys Ser

<210> 277

<211> 35

<212> FRT

<213> Homo sapien

<400> 277

Met Met Gly Leu Leu Gln Ala Trp Ile Pro Gln Asp Ser Thr Ala Gln
1 5 10 15

Trp Ser Asn Thr Gly Ser Thr Ala Asn Gln Arg Gln Cys Tyr Ile Leu
20 25 30

Arg Gln Ile

